

# Product Datasheet

## Recombinant Porcine IL-4 Protein NBP2-76286-5ug

Unit Size: 5 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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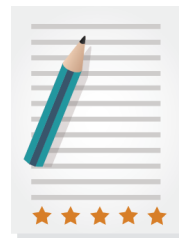
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**NBP2-76286-5ug****Recombinant Porcine IL-4 Protein**

| <b>Product Information</b>         |                                                                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 5 ug                                                                                                                                                              |
| <b>Concentration</b>               | Lyoph                                                                                                                                                             |
| <b>Storage</b>                     | Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles. |
| <b>Preservative</b>                | No Preservative                                                                                                                                                   |
| <b>Reconstitution Instructions</b> | Sterile water at 0.1 mg/mL                                                                                                                                        |
| <b>Purity</b>                      | >95%, by SDS-PAGE                                                                                                                                                 |
| <b>Buffer</b>                      | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5                                                       |
| <b>Target Molecular Weight</b>     | 12.7 kDa                                                                                                                                                          |

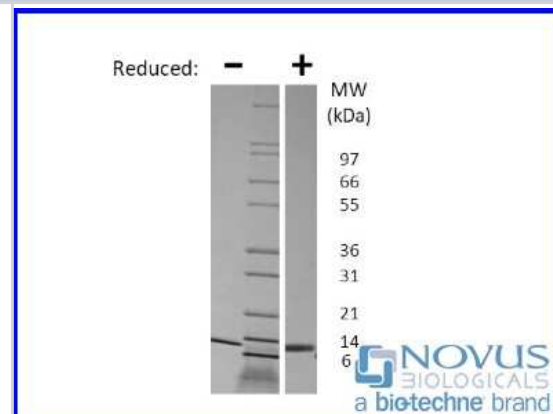
| <b>Product Description</b>      |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>              | For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80C and avoid repeat freeze thaws.<br><br>Expiration Date:<br>12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed. |
| <b>Gene ID</b>                  | 3565                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Symbol</b>              | IL4                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>                  | Porcine                                                                                                                                                                                                                                                                                                                                                      |
| <b>Specificity/Sensitivity</b>  | IL-4 is a monomer, 12.7 kDa (110 aa)                                                                                                                                                                                                                                                                                                                         |
| <b>Preparation Method</b>       | Protein is derived from genetically modified E. coli.                                                                                                                                                                                                                                                                                                        |
| <b>Details of Functionality</b> | TF-1 cell proliferation, >5.0 x 10 <sup>5</sup> units/mg (ED50 acceptance criteria are <2 ng/mL).                                                                                                                                                                                                                                                            |
| <b>Endotoxin Note</b>           | Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).                                                                                                                                                                                                                                                           |

| <b>Product Application Details</b> |                                                                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | SDS-Page, Bioactivity                                                                                                                                      |
| <b>Recommended Dilutions</b>       | SDS-Page, Bioactivity                                                                                                                                      |
| <b>Application Notes</b>           | Lot Specific Information:<br>Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support. |

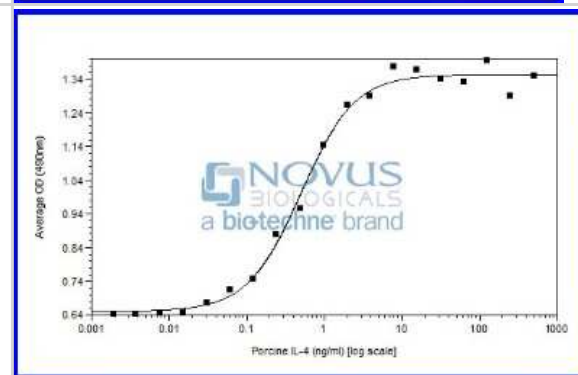


## Images

SDS-Page: Recombinant Porcine IL-4 Protein [NBP2-76286] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Porcine IL-4 Protein [NBP2-76286] - IL-4 Induced proliferation of TF01 cells.





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