

# Product Datasheet

## Recombinant Mouse IL-12 p70/IL-12A Protein NBP2-76267-10ug

Unit Size: 10 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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**NBP2-76267-10ug****Recombinant Mouse IL-12 p70/IL-12A Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 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>	57.6 kDa
<b>Product Description</b>	
<b>Description</b>	<p>An un-tagged bioactive recombinant protein corresponding to Mouse IL-12 p70/IL-12A</p> <p><b>Source:</b> <i>HEK293</i></p> <p><b>Amino Acid Sequence:</b> p35: RVIPVSGPAR CLSQSRNLLK TTDDMVKTAR EKLKHYSCTA EDIDHEDITR DQTSTLKTCL PLELHKNE SC LATRETSSTT RGSCLPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHNHQQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA p40: MWELEKDVYV VEVDWTPDAP GETVNLTCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTLFKCEAPN YSGRFTCSWL VQRNMDLKFN IKSSSSSPDS RAVTCGMASL SAEKVTLDQR DYEKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS TSFFIRDIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNV CV QAQDRYYNSS CSKWACVPCR VRS</p>
<b>Gene ID</b>	3592
<b>Gene Symbol</b>	IL12A
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	IL-12 p70/IL-12A is a heterodimer, p35: 21.7 KDa, p40: 35.8 kDa total: 57.5 kDa (p35: 193 aa, p40: 313 aa total: 506 aa)
<b>Details of Functionality</b>	Induces secretion of SEAP in HEK-Blue™ IL-12 cells, >6.7 x 10 <sup>4</sup> units/mg (ED50 acceptance criteria are <15 ng/mL).

<b>Notes</b>	<p><b>Lot Specific Information:</b> Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p><b>Detailed Reconstitution:</b> Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80C and avoid repeat freeze thaws.</p> <p><b>Expiration Date:</b> 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.</p>
<b>Endotoxin Note</b>	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

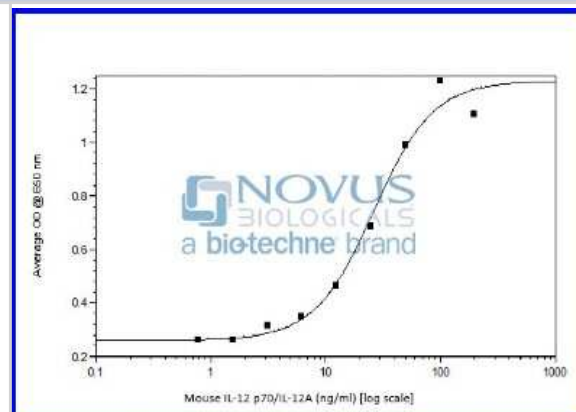
### Product Application Details

<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

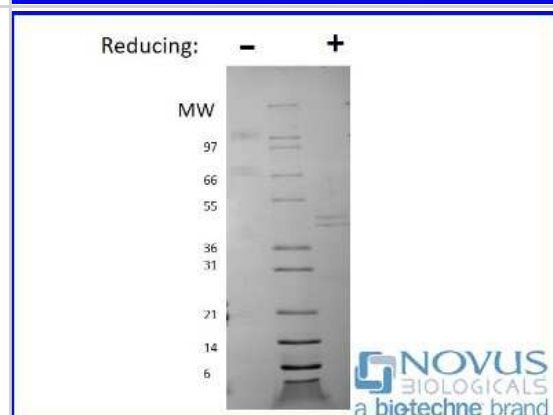


## Images

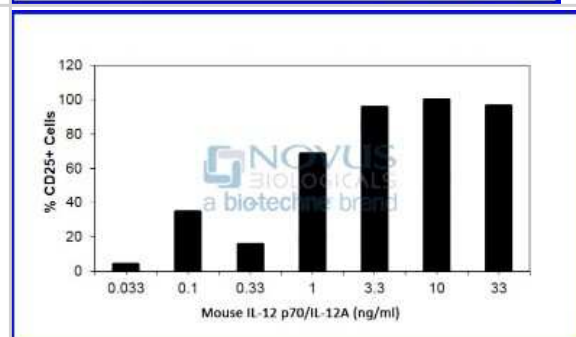
**Bioactivity: Recombinant Mouse IL-12 p70/IL-12A Protein [NBP2-76267]**  
 - IL-12 p70/IL-12A induced SEAP production by HEK-blue (TM) IL-12 cells.



**SDS-Page: Recombinant Mouse IL-12 p70/IL-12A Protein [NBP2-76267]**  
 - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



**Bioactivity: Recombinant Mouse IL-12 p70/IL-12A Protein [NBP2-76267]**  
 - IL-12 p70/IL-12A induced expression of CD25 on CD8+ mouse T cells.





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