

# Product Datasheet

## Recombinant Human IL-5 Animal-Free Protein NBP2-76189-10ug

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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**NBP2-76189-10ug****Recombinant Human IL-5 Animal-Free 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 glycinate, pH 8.5
<b>Target Molecular Weight</b>	26.6 kDa
<b>Product Description</b>	
<b>Description</b>	<p>An un-tagged bioactive recombinant protein corresponding to Human IL-5</p> <p><b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b> MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF KNLSLIKKYI DGQKKKCGEE RRRVNQFLDY LQEFLGVMNT EWIIES</p> <p><b>Produced with no materials of animal or human origin using ANIMAL-FREE purification processes.</b></p> <p>Production and Purification</p> <ul style="list-style-type: none"> <li>• No animal-derived ingredients, No FBS</li> <li>• <i>E. coli</i> based production system</li> <li>• Animal-Free facility, fermentor, columns, filters, labware, lyophilization, and storage</li> </ul> <p>Quality Assurance</p> <ul style="list-style-type: none"> <li>• Endotoxin levels at &lt;1 EUs/ug</li> <li>• Purity levels at 95% or greater</li> </ul>
<b>Gene ID</b>	3567
<b>Gene Symbol</b>	IL5
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	IL-5 is a dimer, 13.3/26.6 kDa (116/232 aa)
<b>Preparation Method</b>	Protein is derived from genetically modified <i>E. coli</i> .
<b>Details of Functionality</b>	TF-1 cell proliferation, >4 x 10 <sup>6</sup> units/mg (ED50 acceptance criteria are <250 pg/mL).

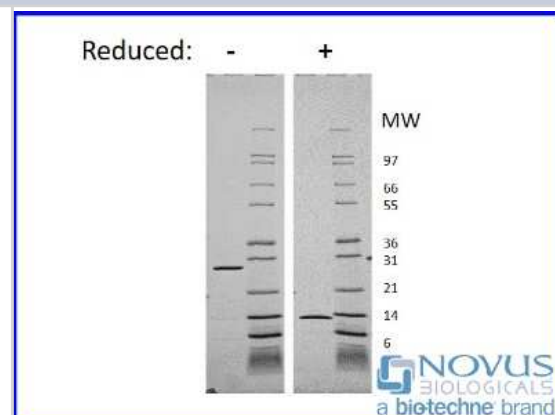
<b>Notes</b>	<p><b>Lot Specific Information:</b> Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p><b>Detailed Reconstitution:</b> Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides of the vial. <b>DO NOT VORTEX</b>. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots.</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

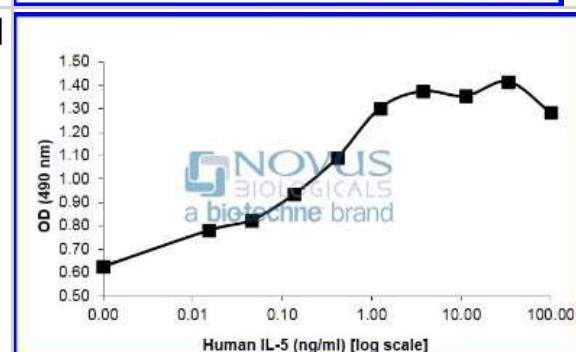
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

## Images

**SDS-Page:** Recombinant Human IL-5 Animal-Free Protein [NBP2-76189] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



**Bioactivity:** Recombinant Human IL-5 Animal-Free Protein [NBP2-76189]  
- IL-5 induced proliferation of TF-1 cells.





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