

Product Datasheet

Recombinant Human IL-15 Animal-Free Protein NBP2-76207-10ug

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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NBP2-76207-10ug**Recombinant Human IL-15 Animal-Free Protein**

Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	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.
Preservative	No Preservative
Reconstitution Instructions	Sterile water at 0.1 mg/mL
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium bicarbonate, pH 8.5
Target Molecular Weight	12.9 kDa
Product Description	
Description	<p>An un-tagged bioactive recombinant protein corresponding to Human IL-15</p> <p>Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLELQV ISLESGDASI HDTVENLIIL ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS</p> <p>Produced with no materials of animal or human origin using ANIMAL-FREE purification processes.</p> <p>Production and Purification</p> <ul style="list-style-type: none"> • No animal-derived ingredients, No FBS • <i>E. coli</i> based production system • Animal-Free facility, fermentor, columns, filters, labware, lyophilization, and storage <p>Quality Assurance</p> <ul style="list-style-type: none"> • Endotoxin levels at <1 EUs/ug • Purity levels at 95% or greater
Gene ID	3600
Gene Symbol	IL15
Species	Human
Specificity/Sensitivity	IL-15 is a monomer, 12.9 kDa (115 aa)
Preparation Method	Protein is derived from genetically modified <i>E. coli</i> .
Details of Functionality	CTLL-2 cell proliferation, >2 x 10 ⁵ units/mg (ED50 acceptance criteria are <5 ng/mL).

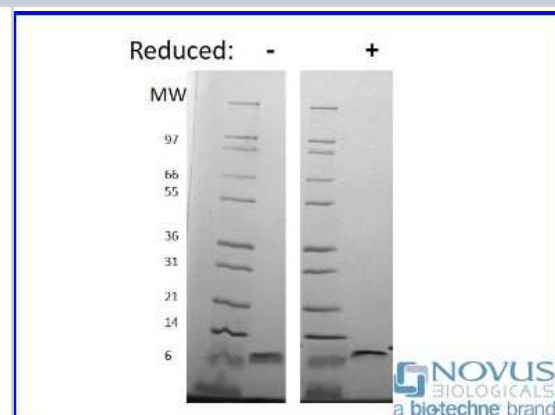
Notes	<p>Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p>Detailed Reconstitution: Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides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

Product Application Details

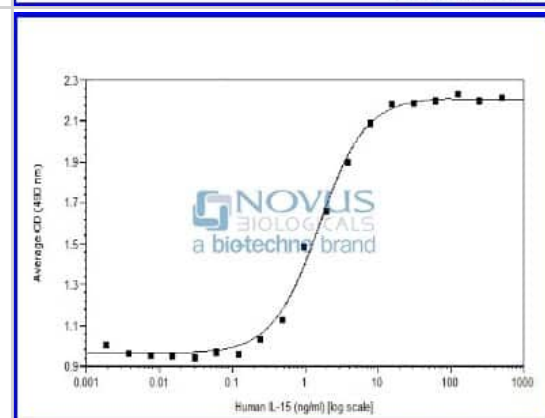
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Recombinant Human IL-15 Animal-Free Protein [NBP2-76207] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Human IL-15 Animal-Free Protein [NBP2-76207] - IL-15 induced proliferation of Mo7e cells.





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