Product Datasheet

Recombinant Mouse IL-7 Protein
NBP2-35136-100ug

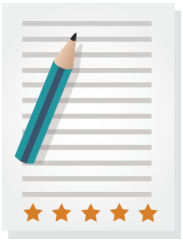
Unit Size: 100 ug

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.

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-35136

Updated 1/25/2025 v.20.1



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Recombinant Mouse IL-7 Protein

Product Information	
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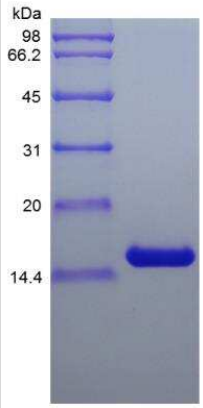
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	Trehalose
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4, 2 % trehalose.
Target Molecular Weight	14.9 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 129 amino acids corresponding to IL-7 **Source:** *E. coli* **Uniprot ID:** *Q544C8* **Amino Acid Sequence:** *ECHIKDKEGK AYESVLMISI DELDKMTGTD SNCPNNEPNF FRKHVCDDTK EAAFLNRAAR KLKQFLKMNI SEEFNVHLLT VSQGTQTLVN CTSKEEKNVK EQKKNDACFL KRLLREIKTC WNKILKGSI*
Gene ID	3574
Gene Symbol	IL7
Species	Mouse
Details of Functionality	IL7 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine 2E8 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 x 10^6 IU/mg.
Endotoxin Note	Less than 1 EU/ug of IL-7 as determined by LAL method.

Product Application Details	
Applications	Flow Cytometry, SDS-Page, Bioactivity
Recommended Dilutions	Flow Cytometry, SDS-Page, Bioactivity
Application Notes	Use in Flow reported in scientific literature (PMID:35874724).

Images

SDS-Page: Mouse IL-7 Protein [NBP2-35136]



Publications

Xie M, Zhang M, Dai M et al. IL-18/IL-18R Signaling Is Dispensable for ILC Development But Constrains the Growth of ILCP/ILCs Frontiers in immunology 2022-07-08 [PMID: 35874724] (FLOW, Mouse)

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-35136-100ug

NBP2-34902-10ug	Recombinant Human IL-7 Protein
210-TA-005	TNF-alpha [Unconjugated]
207-IL-005	IL-7 [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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