Product Datasheet

Recombinant Mouse IL-5 Protein
NBP2-35132-5ug

Unit Size: 5ug

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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Publications: 1

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Updated 1/25/2025 v.20.1

NBP2-35132-5ug
Recombinant Mouse IL-5 Protein

Product Information

Unit Size	5ug
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	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	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM Tris, pH 9.0, 150 mM NaCl.
Target Molecular Weight	26.2 kDa

Product Description

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Description	A disulfide-linked homodimeric protein containing two 113 amino acid chains corresponding to IL-5 **Source:** *E. coli* **Uniprot ID:** *P04401* **Amino Acid Sequence:** *MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEMLFQNL SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG*
Gene ID	3567
Gene Symbol	IL5
Species	Mouse
Details of Functionality	IL5 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 x 10^5 IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of IL-5 as determined by LAL method.

Product Application Details

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

Images

SDS-Page: Mouse IL-5 Protein [NBP2-35132]
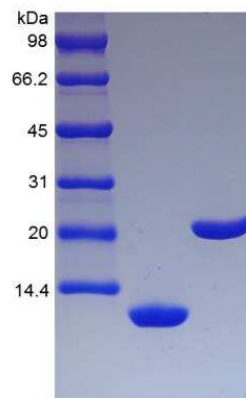
HPLC: Recombinant Mouse IL-5 Protein [NBP2-35132]
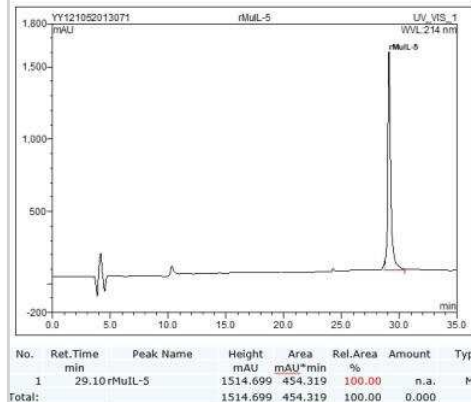
Publications

Yexian Yuan, Ruoci Hu, Jooman Park, Shaolei Xiong, Zilai Wang, Yanyu Qian, Zuoxiao Shi, Ruifan Wu, Zhenbo Han, Sang-Ging Ong, Shuhao Lin, Krista A. Varady, Pingwen Xu, Daniel C. Berry, Gang Shu, Yuwei Jiang Macrophage-derived chemokine CCL22 establishes local LN-mediated adaptive thermogenesis and energy expenditure Science Advances 2024-06-28 [PMID: 38924414]

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Products Related to NBP2-35132-5ug

NBP2-35253-10ug	Recombinant Rat IL-5 Protein
210-TA-005	TNF-alpha [Unconjugated]
M5000	IL-5 [HRP]
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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