

Product Datasheet

Recombinant Human IL-4 Protein NBP2-34896-5ug

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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NBP2-34896-5ug

Recombinant Human IL-4 Protein

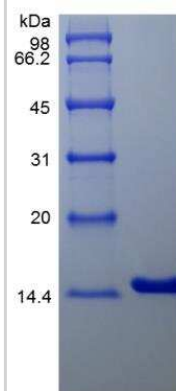
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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 PBS, pH 7.4.
Target Molecular Weight	15 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 129 amino acids corresponding to IL-4 Source: <i>E. coli</i> Uniprot ID: <i>P05112</i> Amino Acid Sequence: <i>HKCDITLQEI IKTLNSLTEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM REKYSKCSS</i>
Gene ID	3565
Gene Symbol	IL4
Species	Human
Details of Functionality	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.2 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^6$ IU/mg.
Endotoxin Note	Less than 1.0 EU/ug of IL-4 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Human IL-4 Protein [NBP2-34896]



Publications

Wenhua Yan, Tianhan Li, Tieying Yin, Zhengjun Hou, Kai Qu, Nan Wang, Colm Durkan, Lingqing Dong, Juhui Qiu, Hans Gregersen, Guixue Wang M2 macrophage-derived exosomes promote the c-KIT phenotype of vascular smooth muscle cells during vascular tissue repair after intravascular stent implantation *Theranostics* 2020-01-01 [PMID: 32929376]

Bakar NA, Tengku Ibrahim TA, Mohamad Shalan NA, Mohamed S. Changes in rats' breast tumor ultrastructure and immune and messenger RNA responses caused by dietary Seaweed (*Kappaphycus alvarezii*) extract. *J Microsc Ultrastruct* 2017-08-21 [PMID: 30023239] (IF/IHC, Rat)

Chao Heng Yu, Zi Chao Luo et al. Synthetic innate defense regulator peptide combination using CpG ODN as a novel adjuvant induces long lasting and balanced immune responses. *Mol Med Rep* 2016-01-01 [PMID: 26647852]





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Products Related to NBP2-34896-5ug

NBP2-35252-5ug	Recombinant Rat IL-4 Protein
210-TA-005	TNF-alpha [Unconjugated]
6507-IL-010/CF	IL-4 [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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