

Product Datasheet

Recombinant Rat IL-4 Protein NBP2-35252-5ug

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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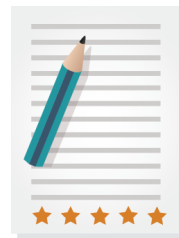
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NBP2-35252-5ug

Recombinant Rat IL-4 Protein

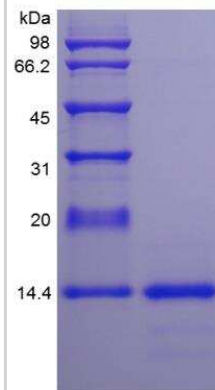
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	5% Trehalose
Reconstitution Instructions	Recommended to centrifuge 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, 5% trehalose.
Target Molecular Weight	14 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 125 amino acids corresponding to IL-4 Source: <i>E. coli</i> Uniprot ID: <i>P20096</i> Amino Acid Sequence: <i>HGCNDSPLRE IINTLNQVTE KGTPCTEMFV PDVLTATRNT TENELICRAS RVLRFYFPR DVPPCLKNKS GVLGELRKLC RGVSGLNLSR SCTVNESTLT TLKDFLESLK SILRGKYLQS CTSMS</i>
Gene ID	3565
Gene Symbol	IL4
Species	Rat
Details of Functionality	IL4 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat splenocytes is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 x 10 ⁶ IU/mg.
Endotoxin Note	Less than 1 EU/ug of IL-4 as determined by LAL method.

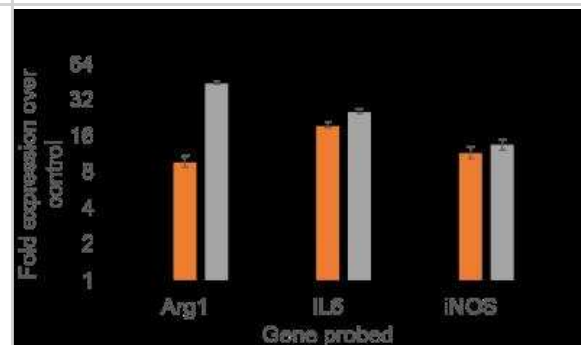
Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Rat IL-4 Protein [NBP2-35252]



Bioactivity: Recombinant Rat IL-4 Protein [NBP2-35252] - Gene expression of macrophages. Culturing with IL-4 increased Arg1 without affecting iNOS or IL-6. Rat macrophages were cultured with M-CSF. After maturation (7 days) in vitro, macrophages were cultured with with IL-4 + M-CSF or M-CSF alone. Changes in gene expression were assayed using RT-PCR using Image from verified customer review.





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Products Related to NBP2-35252-5ug

NBP2-35131-5ug	Recombinant Mouse 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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