

Product Datasheet

Recombinant Human IL-6 Protein NBP2-34901-5ug

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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NBP2-34901-5ug

Recombinant Human IL-6 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	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	20.8 kDa

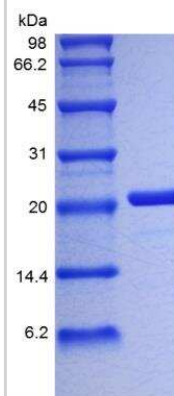
Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 183 amino acids corresponding to IL-6 Source: <i>E. coli</i></p> <p>Uniprot ID: P05231</p> <p>Amino Acid Sequence: VPPGEDSKDV AAPHRQPLTS SERIDKQIRY ILDGISALRK ETCNKS NMCE SSKEALAENN LNLPKMAEKD GCFQSGFNEE TCLVKIITGL LEFEVYLEYL QNRFESSEEQ ARAVQMSTKV LIQFLQKKAK NLDAITTPDP TTNASLLTKL QAQNQWLQDM TTHLILRSFK EFLQSSLRAL RQM</p>
Gene ID	3569
Gene Symbol	IL6
Species	Human
Details of Functionality	<p>Assay #1: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using IL-6-dependent murine 7TD1 cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ IU/mg.</p> <p>Assay #2: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using IL-6-dependent murine T1165 cells is less than 0.8 ng/ml, corresponding to a specific activity of $> 1.25 \times 10^6$ IU/mg.</p>
Endotoxin Note	Less than 1.0 EU/ug of IL-6 as determined by LAL method.

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



Images

SDS-Page: Human IL-6 Protein [NBP2-34901]



Publications

Skokowa J, Hernandez Alvarez B, Coles M et al. A topological refactoring design strategy yields highly stable granulopoietic proteins Nature communications 2022-05-26 [PMID: 35618709] (BA, Human)

Hernandez Alvarez B, Skokowa J, Coles M et al. Design of novel granulopoietic proteins by topological rescaffolding PLoS biology 2020-12-01 [PMID: 33351791]

ZHU H, CHANG L, YAN F et al. AKR1C1 Activates STAT3 to Promote the Metastasis of Non-Small Cell Lung Cancer Theranostics 2018-01-01 [PMID: 29344298] (ICC/IF, Human)

Guo Q, Wu Y, Hou Y et al. Cytokine Secretion and Pyroptosis of Thyroid Follicular Cells Mediated by Enhanced NLRP3, NLRP1, NLRC4, and AIM2 Inflammasomes Are Associated With Autoimmune Thyroiditis Front Immunol 2018-06-04 [PMID: 29915579] (Human)





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