

Product Datasheet

Recombinant Human IL-7 Protein NBP2-34902-2ug

Unit Size: 2ug

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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NBP2-34902-2ug**Recombinant Human IL-7 Protein**

Product Information	
Unit Size	2ug
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	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PBS, 150 mM NaCl, pH 7.4.
Target Molecular Weight	17.4 kDa

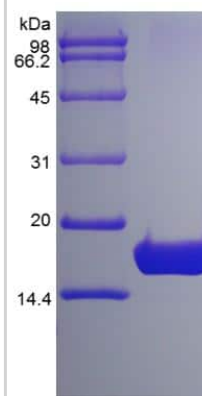
Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 152 amino acids corresponding to IL-7 Source: <i>E. coli</i></p> <p>Uniprot ID: P13232</p> <p>Amino Acid Sequence: DCDIEGKDGK QYESVLMVSI DQLLDSTMKEI GSNCLNNEFN FFKRHICDAN KEGMFLFRAA RKLRQFLKMN STGDFDLHLL KVSEGTILL NCTGQVKGRK PAALGEAQPT KSLEENKSLK EQKKLNDLCF LKRLLEIKT CWNKILMGTK EH</p>
Gene ID	3574
Gene Symbol	IL7
Species	Human
Details of Functionality	Fully biologically active when compared to standard. IL-7 stimulates proliferation of PHA-activated human peripheral blood mononuclear cell (PBMC). The specific activity of Recombinant Human IL-7 is > 1.0 x 10 ⁸ Units/mg
Endotoxin Note	Less than 1 EU/ug of IL-7 as determined by LAL method.

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



Images

SDS-Page: Human IL-7 Protein [NBP2-34902] - MW= Approximately 17 kDa



Publications

Gou HF, Huang J, Shi HS et al. Chemo-immunotherapy with oxaliplatin and interleukin-7 inhibits colon cancer metastasis in mice. PLoS One 2014-01-21 [PMID: 24465710]



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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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