

Product Datasheet

Recombinant Human IL-2 Protein NBP2-35054-10ug

Unit Size: 10ug

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: 4

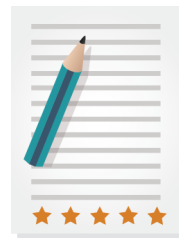
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NBP2-35054-10ug

Recombinant Human IL-2 Protein

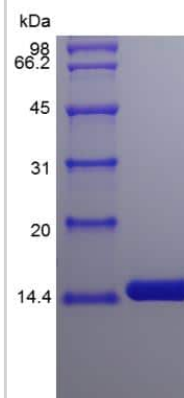
| Product Information | |
|------------------------------------|---|
| Unit Size | 10ug |
| Concentration | Lyoph |
| Storage | Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles. |
| Preservative | No Preservative |
| Reconstitution Instructions | Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water to a concentration of 0.1-1.0mg/mL. Do not reconstitute in cell culture media directly. |
| Purity | > 97 % pure by SDS-PAGE and HPLC |
| Buffer | Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PB, pH 3.5. |
| Target Molecular Weight | 15.4 kDa |

| Product Description | |
|---------------------------------|---|
| Description | A single non-glycosylated polypeptide chain containing 133 amino acids corresponding to IL-2 Source: <i>E. coli</i> Uniprot ID: P60568 Amino Acid Sequence: APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML TFKFYMPKKA TELKHLQCLE EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR WITFCQSIIS TLT |
| Gene ID | 3558 |
| Gene Symbol | IL2 |
| Species | Human |
| Details of Functionality | IL2 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 x 10 ⁷ IU/mg. |
| Endotoxin Note | Less than 1.0 EU/ug of IL-2 as determined by LAL method. |

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

Images

SDS-Page: Human IL-2 Protein [NBP2-35054]



Publications

Zhaoxu Li, Junzhe Zhang, Jicun Tang, Ruiying Wang. Celastrol increases osteosarcoma cell lysis by gdT cells through up-regulation of death receptors. *Oncotarget* 2016-10-22 [PMID: 27768597]

Devadas S iCa²⁺ Flux, ROS and IL-10 Determines Cytotoxic, and Suppressor T Cell Functions in Chronic Human Viral Infections *Front Immunol* 2020-03-06 [PMID: 32210950]

Zhaoxu Li, Huiqin Peng, Qiang Xu, Zhaoming Ye. Sensitization of human osteosarcoma cells to Vg9Vdelta2 T-cell-mediated cytotoxicity by zoledronate. *J Orthop Res* 2012-05-01 [PMID: 22025284]

Zhaoxu Li, Qiang Xu, Huiqin Peng et al. IFN-g enhances HOS and U2OS cell lines susceptibility to gdT cell-mediated killing through the Fas/Fas ligand pathway. *Int Immunopharmacol* 2011-04-01 [PMID: 21238618]





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Products Related to NBP2-35054-10ug

| | |
|----------------|--------------------------------|
| NBP2-35111-5ug | Recombinant Mouse IL-2 Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 202-IL-010 | IL-2 [Unconjugated] |
| M6000B-1 | IL-6 [HRP] |

Limitations

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