

IL-2 active protein

Human IL-2

CATALOG # AAA79184	HOST E Coli	REACTIVITY Human
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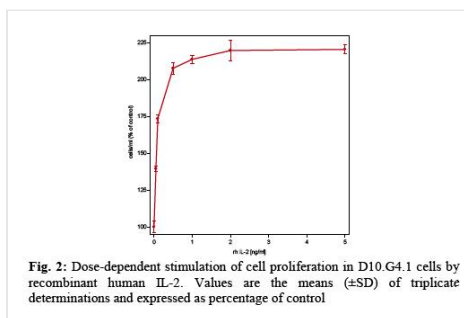
PRODUCT SYNONYMS

IL-2; Human IL-2; Recombinant Human Interleukin-2; Interleukin-2; T-cell growth factor; IL-2 active protein

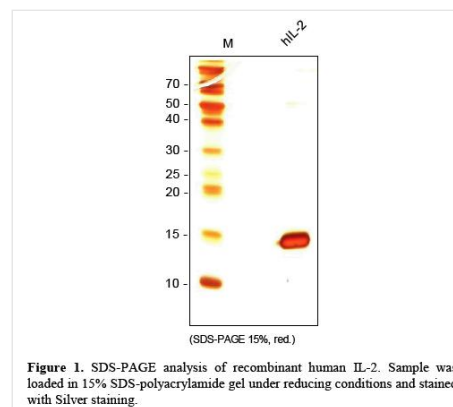
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & silver stain
Form/Format	Lyophilized
Sequence	N-Terminal Sequence: APTSSSTK and MAPTSSST
Sequence Length	134
Endotoxin Level	< 0.1ng per μ g (IEU/ μ g) of rh IL-2
Buffer	50 mM acetic acid
Preparation and Storage	The lyophilized IL-2, though stable at room temperature, is best stored desiccated below 0 degree C. Reconstituted IL-2 should be stored in working aliquots at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL-2 active protein

IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. Recombinant human IL-2 (modified at the C-terminal end) is a 15.5 kDa protein, containing 156 amino acid residues including one intrachain disulfide bond.

Product Categories/Family for IL-2 active protein	Cytokines & Growth Factors
References	1. Ma, A. et al. (2006) Annu. Rev. Immunol. 24:657. 2. Gaffen, S.L. and K.D. Liu (2004) Cytokine 28:109. 3. Taniguchi, T. et al. (1983) Nature 302:305. 4. Mosmann, T.R. et al. (1987) J. Immunol. 138:1813. 5. Liparoto, S.F. et al. (2002) Biochemistry 41:2543. 6. Wang, X. et al. (2005) Science 310:1159. 7. Bodnar, A. et al. (2008) Immunol. Lett. 116:117. 8. Jaleco, S. et al. (2003) J. Immunol. 171:61. 9. Malek, T.R. (2003) J. Leukoc. Biol. 74:961.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28178861
NCBI GeneID	3558
NCBI Accession #	NP_000577
NCBI GenBank Nucleotide #	NM_000586
UniProt Accession #	P60568; P01585
Molecular Weight	15.5 kDa
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
NCBI Protein Information	interleukin-2; aldesleukin; T cell growth factor; involved in regulation of T-cell clonal expansion
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.