

IL-3 active protein

Human IL-3

CATALOG # AAA79193	HOST E Coli	REACTIVITY Human
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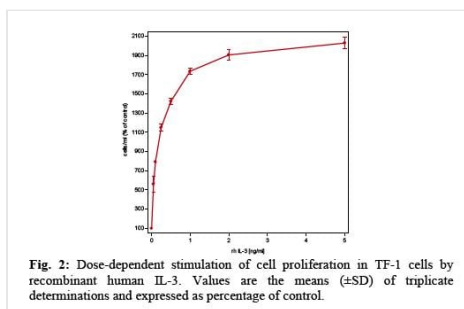
PRODUCT SYNONYMS

IL-3; Human IL-3; Recombinant Human Interleukin-3; Hemapoietic growth factor; Mast cell growth factor; P-cell-stimulating factor; IL-3 active protein

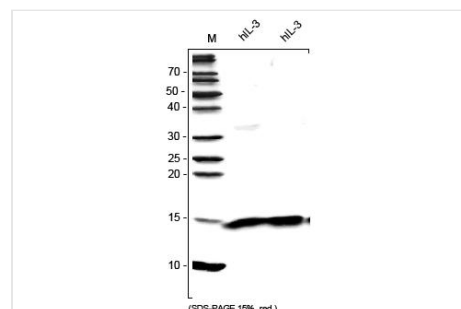
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & silver stain
Form/Format	Lyophilized
Sequence	N-Terminal Sequence:M APMTQT
Sequence Length	134
Endotoxin Level	< 0.1ng per ug (IEU/ug) of rh IL-3
Buffer	PBS
Preparation and Storage	The lyophilized IL-3, though stable at room temperature, is best stored desiccated below 0 degree C. Reconstituted IL-3 should be stored in working aliquots at -20 degree C.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL-3 active protein

IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine. Recombinant human IL-3 is a 15.0 kDa globular protein containing 133 amino acid residues.

Product Categories/Family for IL-3 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 #	28416915
NCBI GeneID	3562
NCBI Accession #	NP_000579
NCBI GenBank Nucleotide #	NM_000588
UniProt Accession #	P08700; Q6GS87
Molecular Weight	15.0 kDa
NCBI Official Full Name	interleukin-3
NCBI Official Synonym Full Names	interleukin 3 (colony-stimulating factor, multiple)
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	IL-3; MCGF; MULTI-CSF
NCBI Protein Information	interleukin-3; mast cell growth factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; hematopoietic growth factor; multilineage-colony-stimulating factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3; MCGF
UniProt Entry Name	IL3_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.