

Interleukin-3 Active Protein | mIL 3 active protein

Recombinant Mouse Interleukin-3

CATALOG # AAA38180	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Interleukin-3; Recombinant Mouse Interleukin-3; IL 3 Mouse; Interleukin-3 Mouse Recombinant; MCGF (Mast cell growth factor); Multi-CSF; HCGF; P-cell stimulation factor; IL-3; MGC79398; MGC79399; mIL 3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeMet-Asp -Thr-His-A rg
Sequence Length	166
Solubility	It is recommended to reconstitute the lyophilized Interleukin-3 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods1. UV spectroscopy at 280 nm using the absorbency value of 0.154 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of IL3 as a Reference Standard.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of murine M-NFS-60 cells is < 0.05 ng/ml, corresponding to a Specific Activity of 20,000,000IU/mg.
Preparation and Storage	Lyophilized Interleukin-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL-3 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mIL 3 active protein	Description: Interleukin-3 mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 15100 Dalton. The IL-3 is purified by proprietary chromatographic techniques. Introduction: Interleukin-3 is a pleiotropic cytokine produced primarily by activated T cells. IL-3 is thought to function via specific cell surface receptors to stimulate the proliferation, differentiation and survival of haematopoietic cell lines. IL-3 has also been shown to affect the functional activity of a variety of other cell types including mast cells, eosinophils, megakaryocytes and basophils.
Product Categories/Family for mIL 3 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982791
-----------	--------------------------

NCBI GeneID	16187
NCBI Accession #	NP_034686.2
NCBI GenBank Nucleotide #	NM_010556.4
UniProt Accession #	P01586
Molecular Weight	18,540 Da
NCBI Official Full Name	interleukin-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	BPA; PSF; HCGF; IL-3; MCGF; Csfmu
NCBI Protein Information	interleukin-3; P-cell-stimulating factor; hematopoietic growth factor; mast cell growth factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	Csfmu; IL-3; IL-3; MCGF
UniProt Entry Name	IL3_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-mil-3-active-protein/interleukin-3/38180>