

Interleukin-3 Active Protein | k9 IL 3 active protein

Recombinant Canine Interleukin-3

CATALOG # AAA38782	HOST E Coli
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PRODUCT SYNONYMS

Interleukin-3; Recombinant Canine Interleukin-3; IL 3 Dog; Interleukin-3 Canine Recombinant; MCGF (Mast cell growth factor); Multi-CSF; HCGF; P-cell stimulation factor; IL-3; MGC79398; MGC79399; k9 IL 3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution in water containing 1X PBS pH7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLRLPN LDVFLNASSK FHKNGLLIWN NLKEFLPLLP TPTPRGEPIS IMENNWGDFQ RKLKKYLEAL DNFLNFKNKP
Sequence Length	143
Solubility	It is recommended to reconstitute the lyophilized IL3 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of TF-1 cells is < 0.2 ng/ml, corresponding to a Specific Activity of 5,000,000 IU/mg.
Preparation and Storage	Lyophilized IL3 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL3 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for k9 IL 3 active protein	Description: Interleukin-3 Canine Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids and having a molecular mass of 14 kDa. The IL-3 is purified by proprietary chromatographic techniques. Introduction: IL3 is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.
Product Categories/Family for k9 IL 3 active protein	Cytokines and Growth Factors; Cytokines; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	62078415
NCBI GeneID	481497
NCBI Accession #	NP_001013857.1
NCBI GenBank Nucleotide #	NM_001013835.1

UniProt Accession #	Q9BDX4
Molecular Weight	16,499 Da
NCBI Official Full Name	interleukin-3
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	IL-3; MCGF
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	IL-3; MCGF
UniProt Entry Name	IL3_CANFA

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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-k9-il-3-active-protein/interleukin-3/38782>