

Interleukin-9 Active Protein | IL 9 active protein

Recombinant Human Interleukin-9

CATALOG #
AAA38171

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-9; Recombinant Human Interleukin-9; IL 9 Human; Interleukin-9 Human Recombinant; P40; HP40; T-cell growth factor p40; IL-9; P40 cytokine; IL 9 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing 10mM Na2PO4, pH 7.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCLCL GIPSDNCTRP CFSERLSQMT NTTMQTRYPL IFSRVKKSVE VLKNNKCPYF SCEQPCNQTT AGNALTLFLKS LLEIFQKEKM RGMGRKI
Sequence Length	144
Solubility	It is recommended to reconstitute the lyophilized Interleukin-9 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 proliferation of human MO7e cells is < 0.5-0.7ng/ml.
Preparation and Storage	Lyophilized Interleukin-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL9 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 IL 9 active protein	Description: Interleukin-9 Human Recombinant produced in E Coli is a single, non-glycosylated single polypeptide chain containing 127 amino acids and having a molecular mass of 14,004 Dalton. The IL-9 is purified by proprietary chromatographic techniques. Introduction: Factor that is thought to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones. IL-9 is a glycoprotein with a molecular weight of 32-39 that is derived from T-cells, and maps to human chromosome 5.
Product Categories/Family for IL 9 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834980
NCBI GeneID	3578
NCBI Accession #	NP_000581.1
NCBI GenBank Nucleotide #	NM_000590.1
UniProt Accession #	P15248

Molecular Weight	15,909 Da
NCBI Official Full Name	interleukin-9
NCBI Official Synonym Full Names	interleukin 9
NCBI Official Symbol	IL9
NCBI Official Synonym Symbols	P40; HP40; IL-9
NCBI Protein Information	interleukin-9; T-cell growth factor p40; cytokine P40; homolog of mouse T cell and mast cell growth factor 40; p40 T-cell and mast cell growth factor; p40 cytokine
UniProt Protein Name	Interleukin-9
UniProt Gene Name	IL9
UniProt Synonym Gene Names	IL-9
UniProt Entry Name	IL9_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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-il-9-active-protein/interleukin-9/38171>