Datasheet for ABIN935528

IL-3 beta Protein

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Overview

Quantity:	20 µg
Target:	IL-3 beta
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRPPQP TSSSDNFRPM TVEC
Characteristics:	Purified recombinant Human IL3 beta protein Expression System: E.coli Bioactivity: The ED50 was determined by the dose-dependent stimulation of the proliferation of thymidine uptake by Mouse MC-9 cells is 1.0 x 10^5 units/mg.
Purity:	> 98 % pure
Sterility:	0.2 µm filtered
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	IL-3 beta

Target Details

Alternative Name:	IL3 beta (IL-3 beta Products)
Background:	IL3 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, IL3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL3 may have additional immunoregulatory roles. Many of the IL3 activities depend upon co-stimulation with other cytokines. IL3 is species-specific, variably glycosylated cytokine. Alternative Names: Multi-CSF protein, IL 3, IL 3 protein, IL-3 protein, IL-3 beta protein, HCGF protein, Mast cell growth factor protein, IL-3, MCGF protein, Interleukin 3 beta protein, P-cell stimulation factor protein, IL3
Molecular Weight:	16.3 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Comment:	Biological activity: The ED50 was determined by the dose-dependent stimulation of the proliferation of thymidine uptake by Mouse MC-9 cells is 1.0 x 10^5 units/mg.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in water to a concentration of 0.1-1.0 mg/mL. When dissolved, dilute further into aqueous buffered solutions.
Buffer:	Sterile filtered through a 0.2 µm filter. Lyophilized from 5 mM Sodium Citrate pH 4.0.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C