

Datasheet for ABIN2468669

IL-3 beta Protein

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Overview

Quantity:	0.005 mg
Target:	IL-3 beta
Origin:	Rat
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:	The ED50 was determined by the dose - dependent stimulation of the proliferation of thymidine uptake by murine MC - 9 cells is < 10 ng/mL, corresponding to a specific activity of >1.0 x 10 ⁵ units/mg.
Purity:	< 98 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

Target Details

Target:	IL-3 beta
Alternative Name:	IL-3 beta (IL-3 beta Products)
Background:	IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and

Target Details

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 rat IL-3beta is a 16.3 kDa globular protein containing 144 amino acid residues.

Gene ID:	171081
NCBI Accession:	NP_598239
OMIM:	19424232
UniProt:	Q78ZF5

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Handling Advice:	As with any protein, exposing IL-3 beta recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted IL-3 beta is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months