

Datasheet for ABIN1692141
IL-3 Protein (AA 20-152) (His tag)



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Overview

Quantity:	50 µg
Target:	IL-3
Protein Characteristics:	AA 20-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Interleukin-3/IL-3 (N-6His)
Sequence:	MNHKVVHHHH HMAPMTQTTP LKTSWVNCSN MIDEIITHLK QPPLPLDFN NLNGEDQDIL MENNLRPPNL EAFNRAVKSL QNASAIESIL KNLLPCLPLA TAAPTRHPIH IKDGDWNEFR RKLTFYLKTL ENAQAQQTTL SLAIF
Characteristics:	Recombinant Human Interleukin-3/IL3 is produced with our E. coli expression system. The target protein is expressed with sequence (Ala20-Phe152) of Human IL3 fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IL-3
Alternative Name:	IL3 (IL-3 Products)
Sub Type:	Fusionprotein
Background:	Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological function through binding to specific cell surface receptors. The amino acid sequences of this protein among different species share relatively low identity and its activity is highly species-specific. IL-3 has also been shown to possess neurotrophic activity, and is thought to be associated with neurologic disorders. Alternative Names: Interleukin-3, IL-3, Hematopoietic Growth Factor, Mast Cell Growth Factor, MCGF, Multipotential Colony-Stimulating Factor, P-Cell-Stimulating Factor, IL3
Molecular Weight:	16.6 kDa
UniProt:	P08700
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	6 months