

Datasheet for ABIN2115443
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:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Interleukin-3/IL-3 (C-6His)
Sequence:	APMTQTTPK TSWVNCNMI DEITHLKQP PLPLDFNNL NGEDQDILME>NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYKLTLEN AQAQQTTLSL AIFVDHHHHH H
Characteristics:	Recombinant Human Interleukin-3/IL-3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala20-Phe152) of Human IL-3 fused with a polyhistidine tag at the C-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:	IL-3 (IL-3 Products)
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. Synonyms: Interleukin-3, IL-3, Hematopoietic Growth Factor, Mast Cell Growth Factor, MCGF, Multipotential Colony-Stimulating Factor, P-Cell-Stimulating Factor, IL3
Molecular Weight:	16.1 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 PBS, 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.