

Datasheet for ABIN7529333
IL-3 Protein (AA 20-152) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-3
Protein Characteristics:	AA 20-152
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	APMTQTTSLK TSWVNCSNMI DEIITHLKQP PLPLDFNNL NGEDQDILME>NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYLKTLN AQAQQTTLSL AIFLEHHHHH H
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects less or equal to 1.5 ng/ml.

Target Details

Target:	IL-3
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Target Details

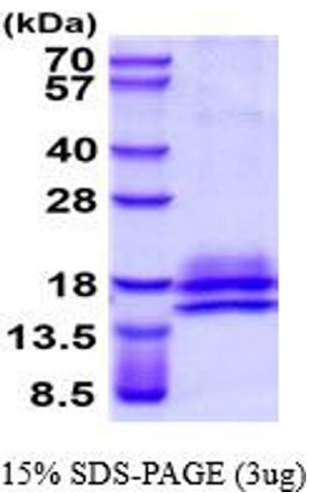
Alternative Name:	IL3 (IL-3 Products)
Background:	IL3, as known as interleukin 3, is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. Also, this protein affects the functional activity of mature mast cells, basophils, eosinophils and macrophages. Because of its multiple functions and targets, it was originally studied under different names, including mast cell growth factor, P-cell stimulation factor, burst promoting activity, multi-colony stimulating factor, thy-1 inducing factors and WEHI-3 growth factor. Recombinant human IL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	16.1kDa (141aa) 13.5-18kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_000579
UniProt:	P08700
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.