

Datasheet for ABIN6387871
IL-4 Protein (AA 25-153)



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1 Image

Overview

Quantity:	50 µg
Target:	IL-4 (IL4)
Protein Characteristics:	AA 25-153
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	MHKCDITLQE IIKTLNSLTE QKTLCTELTV TDIFAASKNT TEKETFCRAA TVLRQFYSHH EKDTRCLGAT AQQFHRHKQL IRFLKRLDRN LWGLAGLNSC PVKEANQSTL ENFLERLKTI MREKYSKCSS
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤0.6ng/ml.

Target Details

Target:	IL-4 (IL4)
Alternative Name:	IL-4 (IL4 Products)

Target Details

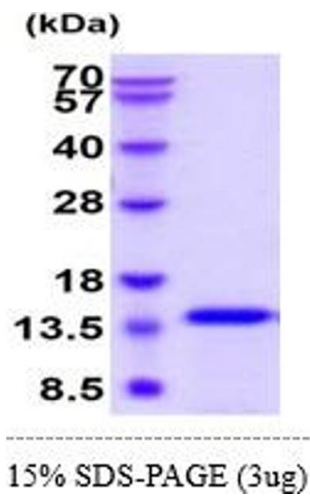
Background:	IL4, also known as Interleukin 4 isoform1, is a pleiotropic cytokine that has many biological roles, including the stimulation of activated B-cell and T-cell proliferation, and the differentiation of naive helper T-cell to Th2 cells. IL4 is a co-stimulator of DNA-synthesis and induces the expression of class II MHC molecules on resting B-cells. It also enhances both secretion and cell surface expression of IgE and IgG1. Recombinant human IL4, was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	15 kDa (130aa)
NCBI Accession:	NP_000580
UniProt:	P05112
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport , Activated T Cell Proliferation

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:	1 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 +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.