

Interleukin-4 Active Protein | IL4 active protein

Interleukin- 4, 25-153aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48531	HOST E Coli	APPLICATIONS SDS-Page
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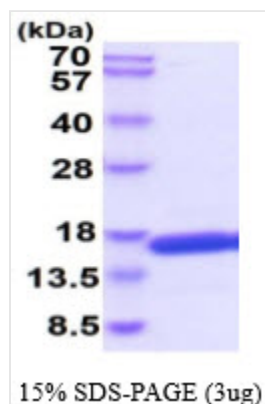
PRODUCT SYNONYMS

Interleukin-4; Interleukin- 4; 25-153aa; Human; His tag; E Coli (Bioactivity Validated); IL-4; BSF-1; Binetrakin; Pitrakinara; Lymphocyte stimulatory factor 1; IL4; interleukin 4; BSF1; BCGF1; IL4 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MHKCDITLQE IIKTLNSLTE QKTLCTELTV TDIFAASKNT TEKETFCRAA TVLRQFYSHH EKDTRCLGAT AQQFHRHKQL IRFLKRLDRN LWGLAGLNSC PVKEANQSTL ENFLERLKTI MREKYSKCSS
Sequence Length	153
Applicable Applications for IL4 active protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	The ED50 for this effect is less or equal to 0.5 ng/ml. Measured in a cell proliferation assay using TF1 human erythroleukemic cells.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL4 active protein	Interleukin-4 (IL-4) 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. Interleukin-4 is a co-stimulator of DNA-synthesis and is 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 Interleukin-4 protein, fused to His-tag at N-terminus, was expressed in E Coli and was purified by conventional chromatography techniques, after refolding of the isolated inclusion bodies in a renaturation buffer.
Product Categories/Family for IL4 active protein	Hormones & Cytokines
References	Van Kimmenade A., et al. (1988) Eur J Biochem. 173 (1):109-14.; Yokota T., et al. (1986) Proc. Natl. Acad. Sci. uSA. 83 (16):5894-8.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504669
NCBI GeneID	3565
NCBI Accession #	NP_000580
NCBI GenBank Nucleotide #	NM_000589.3
UniProt Accession #	P05112; Q14630; Q6NZ77
Molecular Weight	17.2kDa (150aa), confirmed by MALDI-TOF.
NCBI Official Full Name	interleukin-4 isoform 1
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	BSF1; IL-4; BCGF1; BSF-1; BCGF-1
NCBI Protein Information	interleukin-4
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.