Datasheet for ABIN1098598

IL12B Protein (His tag)

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Overview

Quantity:	50 µg
Target:	IL12B
Origin:	Human
Source:	Hi-5 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12B protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purification:	purified by using conventional chromatography.
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	IL12B
Alternative Name:	IL12P40 (IL12B Products)
Background:	IL12P40 (interleukin 12 subunit beta), also known as natural killer cell stimulatory factor 2, or cytotoxic lymphocyte maturation factor 2, p40, belongs to the type I cytokine receptor family. This protein is a cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC. Interleukin 12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A.

Target Details

	This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. Recombinant human IL12P40 protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.
Molecular Weight:	35.8kDa (315aa)
NCBI Accession:	NP_002178
Pathways:	JAK-STAT Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

Application Details

Comment:	Synonyms: interleukin 12 subuit beta, CLMF, NKSF, CLMF2, NKSF2, IL-12B
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/ml (determined by Bradford assay)
Buffer:	20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 100 mM NaCl, 0.1 MM PMSF
Storage:	4 °C
Storage Comment:	Avoid repeated freezing and thawing cycles.

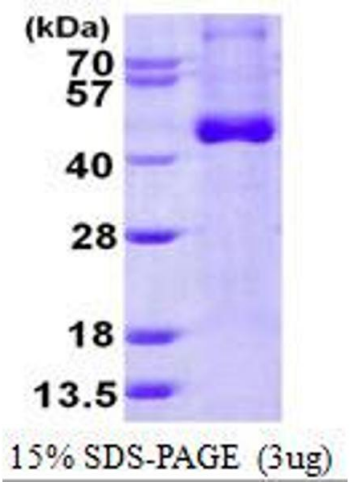

Image 1.

