

**AR50308PU-S****Human Interleukin-12 beta / IL12B (23-328, His-tag) - Purified**

<b>Alternate names:</b>	CLMF p40, Cytotoxic lymphocyte maturation factor 40 kDa subunit, IL-12 subunit p40, IL-12B, Interleukin-12B, NK cell stimulatory factor chain 2, NKSF2
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.25mg/ml (determined by Bradford assay)
<b>Background:</b>	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. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development.
<b>Uniprot ID:</b>	<a href="#">P29460</a>
<b>NCBI:</b>	<a href="#">NP_002178</a>
<b>GenelD:</b>	<a href="#">3593</a>
<b>Species:</b>	Human
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl, 0.1mM PMSF
<b>Description:</b>	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. <b>AA Sequence:</b> ADPIWELKKD VYVVELDWYP DAPGEMVVL TCDTPEEDGIT WTLDSQSEVL GSGKTLTIQV KEFGDAGQYT CHKGGEVL SH SLLLLLHKKED GIWSTDILKD QKEPKNKTF L RCEAKNYSGR FTCWLTTIS TDLTFSVKSS RGSSDPQGV TCGAATLSAER VRGDNKEYEY SVECQEDSAC PAAEESLPIE VMVDAVHKLK YENYTSSFFI RDI IKPDP PK NLQLKPLKNS RQVEVSWEYP DTWSTPHSYF SLTFCVQVQG KSKREKKDRV FTDKTSATVI CRKNASISVR AQDRYSSSW SEWASVPCSH HHHHH <b>Molecular weight:</b> 35.8 kDa (315aa)
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Oppmann B., et al (2000) Immunity 13:715-725(2000)Presky et al. (1996) Proc. Natl. Acad. Sci. U.S.A. 93 (24): 14002-7.

Pictures:

