

IL12P40, 23-328aa, Human, His tag, Baculovirus

Cat.NO.: TP02606

3th Edition

Synonyms: Interleukin 12 subunit beta, CLMF, NKSF, CLMF2, NKSF2, IL-12B.

Description: 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.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl, 0.1mM PMSF

Molecular Weight: 35.8kDa (315aa)

Sequences:

ADPIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGG
EVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCTG
AATLSAERVVRGDNKEYEYSVEQCQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSFFIRDIKPDPPKNLQLKPLKNS
RQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSATVICRKNASISVRAQDRYSSSWSEWA
SVPCSHHHHHH

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.