

## IL 12 p40 Human Baculovirus

**Description:** IL 12 p40 Human Recombinant produced in Hi-5 cell using Baculovirus is a single polypeptide chain containing 315 amino acids (23-328) and having a molecular mass of 29.4kDa. IL 12 p40 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-141

For research use only.

**Synonyms:** NKSf2, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor 40 kDa subunit (CLMF p40), TSF, Edodekin-alpha, IL-12 p40, IL-12B, IL-12 subunit p40, NK cell stimulatory factor chain 2.

**Source:** Baculovirus

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** ADPIWELKKD VYVVELDWYP DAPGEMVLT CDTPEEDGIT  
WTLDQSSEVL GSGKTLTIQV KEFGDAGQYT CHKGGEVLSH SLLLLHKKED GIWSTDILKD  
QKEPKNKTFL RCEAKNYSGR FTCWWLTITL TDLTFSVKSS RGSSDPQGV TCGAATLSAER  
VRGDNKEYEY SVECQEDSAC PAAEESLPV VMVDAVHKLK YENYTSSFFI RDIKPDPPK  
NLQLKPLKNS RQ

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The IL 12 p40 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT, 100mM PMSF and 20% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Active IL-12 is a p70 disulphide-linked dimer composed of p35 and p40 subunits. The protein is a pleiotropic cytokine produced primarily by antigen presenting cells and has multiple effects on T lymphocytes and natural killer cells in terms of stimulating cytotoxicity, proliferation, production of other cytokines and Th1 subset differentiation.

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