

**IL-12B/IL-12 p40, Human, Recombinant**

Cat. No. : PCK172

**General Information**

<b>Synonyms</b>	Interleukin-12 subunit beta;IL-12B;Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40;IL-12 subunit p40;NK cell stimulatory factor chain 2;NKSF2;IL12B;NKSF2
<b>Species</b>	Human
<b>Expression host</b>	Human Cells
<b>Sequence</b>	Ile23-Ser328
<b>Accession</b>	P29460
<b>Mol mass</b>	34.6 kDa
<b>Expiration date</b>	12 months

**Product feature**

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin (EU/μg)</b>	< 0.1
<b>Storage</b>	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
<b>Shipping</b>	Ice bag
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Background**

Interleukin-12 subunit beta (IL-12B) belongs to the type I Cytokine Receptor family. It contains 1 fibronectin type-III domain and 1 Ig-like C2-type domain. IL-12B is a Cytokine that acts on T and natural killer cells, and has a broad array of biological activities. IL-12 is a disulfide-linked heterodimer composed of the 40 kD Cytokine Receptor encoded by IL12B and a 35 kD subunit encoded by IL12A. IL12 is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. It has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen.