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

Cat. No. : PCK172

General Information

Synonyms	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
Species	Human
Expression host	Human Cells
Sequence	Ile23-Ser328
Accession	P29460
Mol mass	34.6 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	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.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	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.

SDS-PAGE

