

IL-12 p40/IL-12B/CLMF p40, Mouse, Recombinant

Cat. No. : PCK249

General Information

Synonyms	Interleukin-12 subunit beta;IL-12 subunit p40;IL-12B;Cytotoxic Lymphocyte Maturation Factor 40 kDa subunit (CLMF p40);NK cell Stimulating Factor Chain 2
Species	Mouse
Expression host	E.coli
Sequence	MWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSQQRHGVIGSGKTLTITVKEFLD AGQYTCHKGGETLSHSHLLLHKKENGIWSTEILKNFKNKTKFLKCEAPNYSGRFTCSWLVRNM DLKFNKSSSSSPDSRAVTCGMASLSAEKVTLDRDYEKYSVSCQEDVTCPTAEETLPIELALE ARQQNKYENYSTSFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSYFSLKFFV
Accession	P43432.1
Tag	His-tag at the C-terminus
Mol mass	36.60 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce proliferation in T-cell enriched PBMC. The ED50 for this effect is < 0.3 ng/mL.

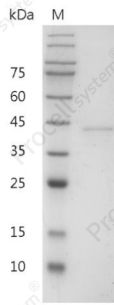
Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Active IL-12 is a p70 disulfide-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.

SDS-PAGE



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