

IL-30/IL-27/IL27-A, Mouse, Recombinant

Cat. No. : PCK318

General Information

Synonyms	IL-27;IL-27-A;IL-27p28;IL27-A;p28
Species	Mouse
Expression host	E.coli
Sequence	MFPTDPLSLQELRREFTVSLYLARKLLSEVQGYVHSFAESRLPGVNLDLLPLGYHLPNVSLTFQ AWHHLSDSERLCFLATTLRPFPAMLGGLGTQGTWTSSEREQLWAMRLDLRDLHRHLRFQVL AAGFKCSKEEEDKEEEEEEEEEKKPLGALGGPNQVSSQVSWPQLLYTYQLLHSELVLSRAV RDLALLSLPRRPGSAWDS with polyhistidine tag at the C-terminus.
Accession	Q8K3I6.1
Tag	His-tag at the C-terminus
Mol mass	24.51 kDa
Expiration date	12 months
Bio activity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 5 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

Interleukin-30 (IL-30) is a protein with a molecular weight of 28 kilodaltons, which forms one chain of the heterodimeric cytokine called interleukin 27 (IL-27), thus is sometimes called IL27-p28. The other chain of IL-27 is a molecule called Epstein-Barr induced gene-3 (EBI3). IL-30 is a member of the long-chain, 4-helix bundle family of cytokines, making it structurally similar to IL-6. This gene for this molecule is now officially called IL-27 under HGNC guidelines.

SDS-PAGE

