

Product datasheet for **TP728353L**

Recombinant IL-30 (Interleukin-30), Mouse

Product data:

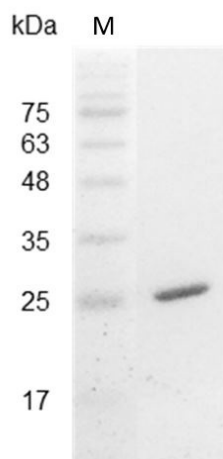
Product Type:	Recombinant Proteins
Description:	Recombinant IL-30 (Interleukin-30), Mouse
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MFPTDPLSLQELRRREFTVSLYLARKLLSEVQGYVHSFAESRLPGVNLDLLPLGYHLPNVSLTFQAWHHLSDSERLCFLATTLRPFPA MLGGLGTQGTWTSSEREQLWAMRLDLRDLHRHLRFQVLAAGFKCSKEEEDKEEE EEEEEKKLPLGALGGPNQVSSQVSWPQLLYTYQLLHSLELVLSRAVRDLLLSLPRRPGSAWDS with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 24.51 kDa. The protein migrates about 25 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED ₅₀ for this effect is <5 ng/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 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 -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	<u>Q8K3I6</u>
Synonyms:	IL-27, IL-27-A, IL-27p28, IL27-A, p28



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Summary:

Interleukin 30 (IL-30) forms one chain of the heterodimeric cytokine called interleukin 27 (IL-27), thus it is also called IL27 p28, it predicts a molecular mass of 24.9 kDa. IL-30, the p28 subunit that forms IL-27 together with EBI3 and is also known as IL-27 p28 or IL-27A, has been considered a surrogate to represent IL-27. It was initially thought to be an IL-12-like cytokine promoting Th1 immunity because of its ability to induce T-bet and IL-12R β 2 expression through STAT1 activation during Th1 differentiation.

Product images:

SDS- PAGE analysis of recombinant mouse IL-30