

**IL-30 (Interleukin-30), Mouse**

v. 231101

<b>Catalog number</b>	C02033-5UG / C02033-20UG / C02033-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	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.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MFPTDPLSLQELRREFTVSLYLARKLLSEVQGYVHSFAESRLPGVNLDLLPLGY HLPNVSLTFQAWHHLSDSERLCFLATTLRPFAMLGGLGTQGTWTSSEREQL WAMRLDLRDLHRHLRFQVLAAGFKCSKEEEDKEEEEEEEEEKKLPLGALGG PNQVSSQVSWPQLLYTYQLLSLELVLRAVRDLLLLSLPRRPGSAWDS with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED <sub>50</sub> for this effect is <5 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>• -20°C for 12 months in lyophilized state from date of receipt.</li> <li>• -20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse IL-30

*For Research Use Only.*