


## Mouse IL-30 Protein, His tag (Animal-Free)

Cat #: PRP1175

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Mouse IL-30 Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1175	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Interleukin-30 (IL-30) 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.

**Sequence:** Amino acid sequence derived from Mouse IL-30 (Phe 29-Ser 234) (Q8K3I6) was expressed with 6×His tag and a Met at the C-terminus.

**Protein length:** The recombinant Mouse IL-30 consists of 206 amino acids and predicts a molecular mass of 24.51 kDa.

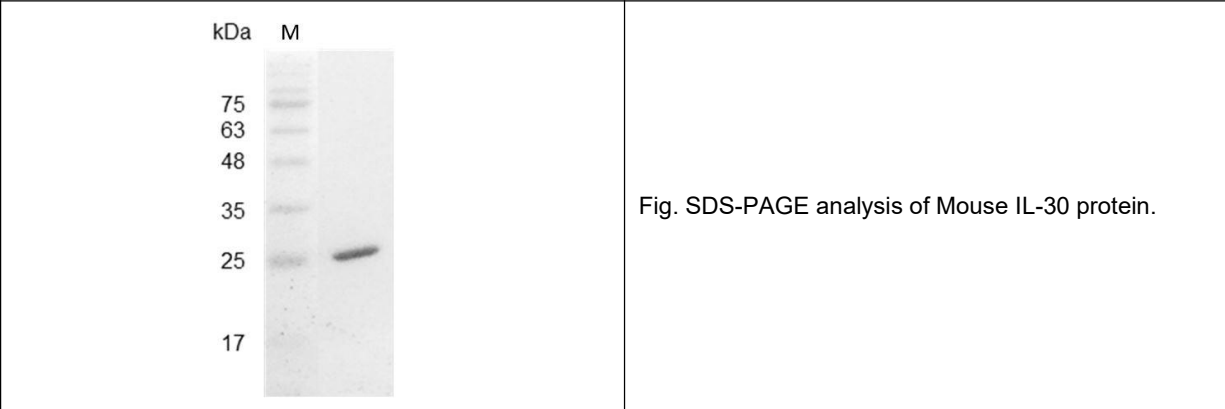
**Biological Activity:** Measured by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED<sub>50</sub> for this effect is <5 ng/mL.

**Endotoxin:** <0.1 EU per 1 µg of the protein by the LAL method.

**Formulation:** Lyophilized from PBS, pH 7.4.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10% FBS or 0.1% BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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