

Active Recombinant Mouse IL27 protein, His-tagged

Cat. No. IL27-1309M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL27(His193~Val296) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	193-296 a.a.
Description	Recombinant Mouse IL27 complex composed of EBI3 (O35228) (Met1-Pro228) and IL27A (Q8K3I6) (Phe29-Ser234) linked by a polypeptide linker was fused with the polyhistidine tag at the C-terminus.
Predicted N Terminal	Tyr 19
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized mouse IL27-His at 10 µg/ml (100 µl/well) can bind human IL27RA-Fc, The EC50 of human IL27RA-Fc is 0.26-0.62 µg/ml. 2. Measured in antiviral assay using HepG2 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 0.07-0.42 µg/mL.

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Molecular Mass	The recombinant mouse IL27 comprises 442 amino acids and has a predicted molecular mass of 49.5 kDa. The apparent molecular mass of the protein is approximately 60 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL27 interleukin 27 [<i>Mus musculus</i>]
Official Symbol	IL27
Synonyms	IL27; interleukin 27; interleukin-27 subunit alpha; IL27-A; IL-27-A; interleukin 30; IL-27 p28 subunit; IL-27 subunit alpha; p28; IL30; IL-27; IL-27p28;
Gene ID	246779
mRNA Refseq	NM_145636

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Protein Refseq	NP_663611
UniProt ID	Q8K3I6
Chromosome Location	7; 7 F3
Function	cytokine activity; interleukin-27 receptor binding; protein binding; receptor binding;
	