Active Recombinant Mouse Ebi3&Il27 protein, His-tagged

Cat. No. Ebi3&Il27-952M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ebi3&Il27 protein(O35228 & Q8K3I6)(Met1-Pro228 & Phe29-Ser234), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Pro228 & Phe29-Ser234
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
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 2-10ng/mL.
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

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Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ebi3 Epstein-Barr virus induced gene 3 [Mus musculus]
Official Symbol	Ebi3
Synonyms	EBI3; Epstein-Barr virus induced gene 3; interleukin-27 subunit beta; IL-27B; IL-27 subunit beta; epstein-Barr virus-induced gene 3 protein homolog; EBI-3; IL-27;
Gene ID	50498
mRNA Refseq	NM_015766
Protein Refseq	NP_056581

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