

Active Recombinant Mouse Interleukin 27 Receptor, Alpha, Fc-tagged

Cat. No. IL27ra-660M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL27raprotein was expressed in Murine myeloma cell line with the Fc part of humanIgG1 Pro100-Lys330 (C-terminus) and Gly29-Lys510 (N-terminus).
Species	Mouse
Source	Mammalian Cells
ProteinLength	29-510 a.a.
Description	IL27ra (also knownas WSX1 and TCCR) is an 85-95 kDa member of the type I, group 2 cytokinereceptor family. Mature IL27ra is a type I transmembrane glycoprotein thatcontains a 486 amino acids extracellular region, a 21 aa transmembranesegment and a 92 aa cytoplasmic domain. Consistent with type I cytokinereceptors, the extracellular region contains four positionally conservedcysteine residues, a WSxWS motif (for receptor folding and ligand binding),and three fibronectin type III repeats.
Form	Lyophilized from a0.2 µm filtered solution in PBS.
N-terminalSequence	Gly29
Molecular Weight	80 kDa
Activity	Measuredby its ability to inhibit IL-27-antiviral activity using HepG2 humanhepatocellular carcinoma cells infected with encephalomyocarditis (EMC)virus.

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	Bender H. et al. (2009) Hepatology 50:585. The ED50 for this effect is typically 2-12 µg/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	105-115kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	IL27ra interleukin 27 receptor, alpha [Mus musculus]
Official Symbol	IL27ra
Synonyms	IL27ra; interleukin27 receptor, alpha; CRL1; Tccr; Wsx1; WSX-1; IL-27R; zcytor1; interleukin-27 receptor subunit alpha; IL-27RA; IL-27R-alpha; IL-27R subunit alpha; T cell cytokine receptor; IL-27 receptor subunit alpha; type I T-cell cytokine receptor; cytokine receptor family, class 1 (WSXWS), member 1
Gene ID	50931
mRNA Refseq	NM_016671
Protein Refseq	NP_057880

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UniProt ID	O70394
Chromosome Location	8 C3; 8
Function	interleukin-27receptor activity; protein binding; receptor activity

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