Recombinant Human IL27RA protein, Fc-tagged

Cat. No. IL27RA-227H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL27RA (Gln33-Arg514) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Gln33-Arg514
Description	Interleukin-27 receptor subunit alpha (IL27RA) is also known as Cytokine receptor WSX-1, Cytokine receptor-like 1, Type I T-cell cytokine receptor (TCCR), ZcytoR1, IL27RA belongs to the type I cytokine receptor family and type 2 subfamily. IL27RA contains three fibronectin type-III domains. IL27RA is highly expressed in lymphoid tissues such as spleen, lymph nodes and peripheral blood leukocytes. IL27RA is receptor for IL27, but requires IL6ST/gp130 to mediate signal transduction in response to IL27. IL27RA involved in the regulation of Th1-type immune responses. IL27RA also appears to be involved in innate defense mechanisms.
Predicted N Terminal	Gln33
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 79 kDa. The protein migrates as 105-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

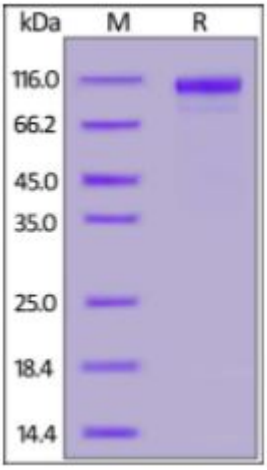
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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
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℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL27RA
Official Symbol	IL27RA
Synonyms	IL27RA; interleukin 27 receptor, alpha; interleukin-27 receptor subunit alpha; CRL1; IL 27R; T cell cytokine receptor type 1; TCCR; WSX 1; WSX1; zcytor1; IL-27RA; IL-27R-alpha; IL-27R subunit alpha; cytokine receptor-like 1; class I cytokine receptor; IL-27 receptor subunit alpha; T-cell cytokine receptor type 1; type I T-cell cytokine receptor; IL27R
Gene ID	9466
mRNA Refseq	NM_004843
Protein Refseq	NP_004834

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MIM	605350
UniProt ID	Q6UWB1
SDS-PAGE of IL27RA-227H	 Human IL-27 Ra, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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