

Recombinant Human Interleukin 28 Receptor, Alpha (interferon, lambda receptor)

Cat. No. IL28RA-601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanIFN-lambda 2 contains 175 amino acid residues.
Species	Human
Source	E.coli
Description	IL28RA is a subunitfor the interleukin-28 receptor. IL28RA is its human gene. The proteinencoded by this gene belongs to the class II cytokine receptor family. Thisprotein forms a receptor complex with interleukine 10 receptor, beta(IL10RB). The receptor complex has been shown to interact with three closelyrelated cytokines, including interleukin 28A (IL28A), interleukin 28B(IL28B), and interleukin 29 (IL29). The expression of all three cytokines canbe induced by viral infection.
Form	Lyophilized withoutadditives
Purity	> 95% asdetermined by SDS-PAGE and HPLC analysis.
Molecular Weight	19.8 kDa
Endotoxin Level	< 0.1 ng/μg ofIFN-lambda 2
Biological Activity	Determined by itsability to activate STAT following receptor-ligand interaction.
Reconstitution	Centrifuge vialprior to opening. First add sterile distilled water to the vial to

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fullysolubilize the protein to a concentration of 0.1-1.0 mg/ml. After completesolubilization of the protein, it can be further diluted to other aqueoussolutions.

Storage

Store lyophilizedprotein at -20°C and reconstituted protein in working aliquots at -20°C.Avoid repeated freeze-thaw cycles.

OfficialSymbol

IL28RA

Pathways

Cytokine-cytokinereceptor interaction; Jak-STAT signaling pathway

GENE INFORMATION

Gene Name

IL28RA interleukin 28receptor, alpha (interferon, lambda receptor) [Homo sapiens]

Synonyms

IL28RA; interleukin28 receptor, alpha (interferon, lambda receptor); IFNLR; LICR2; IFNLR1;CRF2/12; IL-28R1; interleukin-28 receptor subunit alpha; CRF2-12;IL-28RA; IL-28R-alpha; IFN-lambda-R1; OTTHUMP00000003067; OTTHUMP00000003068;OTTHUMP00000003069; OTTHUMP00000003070; IFN-lambda receptor 1; interleukin 28receptor A; IL-28 receptor subunit alpha; interferon lambda receptor 1;interferon lambda, receptor 1; class II cytokine receptor CRF2/12;interleukin or cytokine receptor 2; cytokine receptor class-II member 12;cytokine receptor family 2 member 12; likely interleukin or cytokine receptor2; Interleukin-28receptor subunit alpha; Cytokinereceptor class-II member 12; Cytokine receptor family 2 member 12; Interferonlambda receptor 1; Likely interleukin or cytokine receptor 2

Gene ID

163702

mRNA Refseq

NM_170743

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Protein Refseq	NP_734464
MIM	607404
UniProt ID	Q8IU57
Chromosome Location	1p36.11
Function	contributes to cytokine receptor activity; protein binding; receptor activity
Rendering based on PDB 3OG4.	