

IL28RA Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20138b**Specification**

IL28RA Blocking Peptide (C-term) - Product Information

Primary Accession [Q8IU57](#)
Other Accession [NP_734464.1](#)

IL28RA Blocking Peptide (C-term) - Additional Information

Gene ID 163702

Other Names

Interferon lambda receptor 1, IFN-lambda receptor 1, IFN-lambda-R1, Cytokine receptor class-II member 12, Cytokine receptor family 2 member 12, CRF2-12, Interleukin-28 receptor subunit alpha, IL-28 receptor subunit alpha, IL-28R-alpha, IL-28RA, Likely interleukin or cytokine receptor 2, LICR2, IFNLR1, IL28RA, LICR2

Target/Specificity

The synthetic peptide sequence is selected from aa 500-513 of HUMAN IFNLR1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IL28RA Blocking Peptide (C-term) - Protein Information

Name IFNLR1

Synonyms IL28RA, LICR2

Function

The IFNLR1/IL10RB dimer is a receptor for the cytokine ligands IFNL2 and IFNL3 and mediates their antiviral activity. The ligand/receptor complex stimulate the activation of the JAK/STAT signaling pathway leading to the expression of IFN-stimulated genes (ISG), which contribute to the antiviral state. Determines the cell type specificity of the lambda interferon action. Shows a more restricted pattern of expression in the epithelial tissues thereby limiting responses to lambda interferons primarily to epithelial cells of the respiratory, gastrointestinal, and reproductive tracts. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)- induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Widely expressed.

IL28RA Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

IL28RA Blocking Peptide (C-term) - Images**IL28RA Blocking Peptide (C-term) - Background**

The protein encoded by this gene belongs to the class II cytokine receptor family. This protein forms a receptor complex with interleukine 10 receptor, beta (IL10RB). The receptor complex has been shown to interact with three closely related cytokines, including interleukin 28A (IL28A), interleukin 28B (IL28B), and interleukin 29 (IL29). The expression of all three cytokines can be induced by viral infection. The cells overexpressing this protein have been found to have enhanced responses to IL28A and IL29, but decreased response to IL28B. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq].

IL28RA Blocking Peptide (C-term) - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Magracheva, E., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 1), 61-63 (2010)
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Witte, K., et al. Genes Immun. 10(8):702-714(2009)
Laje, G., et al. Pharmacogenet. Genomics 19(9):666-674(2009)
Trynka, G., et al. Gut 58(8):1078-1083(2009)