

IL28RA Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21372c

Specification

IL28RA Blocking Peptide (Center) - Product Information

Primary Accession

[Q8IU57](#)**IL28RA Blocking Peptide (Center) - 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 387-400 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 (Center) - 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 (Center) - Protocols

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

- [Blocking Peptides](#)

IL28RA Blocking Peptide (Center) - Images**IL28RA Blocking Peptide (Center) - Background**

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.

IL28RA Blocking Peptide (Center) - References

Dumoutier L.,et al.Biochem. J. 370:391-396(2003).
Sheppard P.,et al.Nat. Immunol. 4:63-68(2003).
Kotenko S.V.,et al.Nat. Immunol. 4:69-77(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).