

IFNLR1 Protein, Human, Recombinant (His & SUMO)

General Information

| | |
|-----------------------|---|
| Synonyms: | IL28RA; Interferon lambda receptor 1; Cytokine receptor class-II member 12; Cytokine receptor family 2 member 12 (CRF2-12); Likely interleukin or cytokine receptor 2 (LICR2); IFNLR1; Interleukin-28 receptor subunit alpha (IL-28 receptor subunit alpha; IL-28R-alpha; IL-28RA); IFN-lambda receptor 1; LICR2; IFN-lambda-R1 |
| Protein Construction: | 21-228 aa |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | Q8IU57 |
| Molecular Weight: | 36.6 kDa (predicted) |
| AA Sequence: | RPRLAPPQNVTLISQNFSVYLTWLPGLGNPQDVTFVAYQSSPTRRRWREVEECAGTKELLCSMMCLKKQDL YNKFKGRVRTVSPSSKSPWVESEYLDYLFVEVEAPPVLVLTQTEEILSANATYQLPPCMPPLDLKYEVAFWKEG AGNKTLFPVTPHGQPVQITLQPAASEHHCLSARTIYTFVSPKYSKFSKPTCFLEVPANWA |

QC Testing

| | |
|----------------------|--|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 85% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481