

For Research Use Only

Recombinant Human IL-17RD protein (rFc Tag)(HPLC verified)



Catalog Number: Eg4973

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human IL-17RD protein Cys17-Arg299 (Accession# Q8NFM7) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
54756

Accession:
Q8NFM7

Predicted Molecular Mass:
58.1 kDa

SDS-PAGE:
70-80 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Pro-inflammatory cytokines of the interleukin-17 (IL-17) family are secreted by cells of the activated immune system. The IL-17 cytokine family consists of six ligands (IL-17A-F), which signal through five receptors (IL-17RA-E). IL-17RD negatively regulates IL-17A-induced activation of NF-κB and the expression of pro-inflammatory genes such as IL-6. IL-17RD coordinates these regulatory effects by negatively regulating Act1/TRAF6 binding and disrupting the IL-17RA/Act1/TRAF6 signalling axis.

References

1. Mellett M, et al. (2013). Nat Commun. 3:1119.
2. Miraoui H, et al. (2013). Am J Hum Genet. 92(5):725-43.
3. Liu X, et al. (2020). Int Arch Allergy Immunol. 181(8):618-623.

Synonyms

IL17RD, hSef, IL 17 receptor D, IL 17RD, IL17Rhom

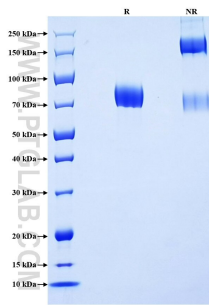
For technical support and original validation data for this product please contact

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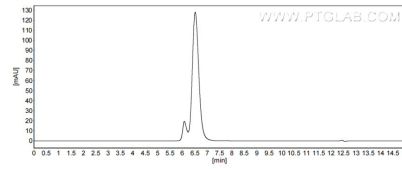
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Selected Validation Data



Purity of Recombinant Human IL-17RD was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human IL-17RD was greater than 90% as determined by SEC-HPLC.