

For Research Use Only

Recombinant Human KIR3DL1/CD158E protein (rFc Tag)



Catalog Number: Eg3528

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human KIR3DL1/CD158E protein His22-His340 (Accession# P43629-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

3811

Accession:

P43629-1

Predicted Molecular Mass:

60.8 kDa

SDS-PAGE:

Formulation:

Lyophilized from sterile 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

Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. The KIR3DL1 (also named CD158E) polymorphism has been correlated with various diseases, hematopoietic stem cell transplantation (HSCT) outcomes, and viral infections.

References

1. Dupont, B et al. Tissue antigens vol. 49,6 (1997): 557-63.
2. Campbell, Kerry S, and Amanda K Purdy. Immunology vol. 132,3 (2011): 315-25.
3. Legrand, Nolwenn et al. Cancers vol. 15,10 (2023) 2754.

Synonyms

KIR3DL1, CD158 antigen-like family member E, CD158E, CD158E1, HLA-BW4-specific inhibitory NK cell receptor

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.