

For Research Use Only

Recombinant Human KIR2DL5/CD158f1 protein (rFc Tag)



Catalog Number: Eg3489

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human KIR2DL5 protein His22-His238 (Accession# Q8N109) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
57292

Accession:
Q8N109

Predicted Molecular Mass:
49.6 kDa

SDS-PAGE:
55-70 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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

KIR2DL5, also known as CD158f1, is a member of the human killer cell immunoglobulin-like receptor (KIR) family. KIR2DL5 has two extracellular Ig-like domains of the D0 and D2 type, a structural configuration that was previously unique to KIR2DL4. KIR2DL5 is expressed by subpopulations of NK cells and T cells. KIR2DL5 inhibits the activity of NK cells thus preventing cell lysis.

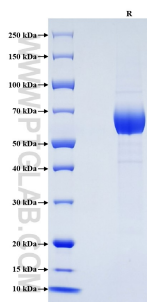
References

- 1.Vilches C. et al. (2000). J Immunol. 164(11):5797-5804.
- 2.Cisneros E. et al. (2012). Front Immunol. 3:289.
- 3.Ren X. et al. (2022). J Clin Invest. 132(22):e163620.

Synonyms

KIR2DL5A, CD158F, CD158F1, KIR2DL5

Selected Validation Data



Purity of Recombinant Human KIR2DL5 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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