

For Research Use Only

Recombinant Human KIR2DS4 protein (rFc Tag)



Catalog Number: Eg4353

Basic Information

ED50:
/

GeneID:
3809

Species:
Human

Accession:
P43632

Purity:
>90 %, SDS-PAGE

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human KIR2DS4 protein Gln22-His245 (Accession# P43632) with a rabbit IgG Fc tag at the C-terminus.

Predicted Molecular Mass:
50.7 kDa

SDS-PAGE:
62-85 kDa, reducing (R) condition

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

KIR2DS4 is a member of the killer cell immunoglobulin-like receptor (KIR) family, which plays a critical role in the immune system, particularly in the function of natural killer (NK) cells. It is expressed on the cell surface, primarily in NK cells, which function as a receptor for HLA class I molecules. This protein has been linked to susceptibility to certain bacterial infections by detecting a conserved bacterial epitope presented by HLA-C. It also has been associated with basaloid tumors, lymph node metastasis, advanced stage, and metastatic risk in head and neck squamous cell carcinoma.

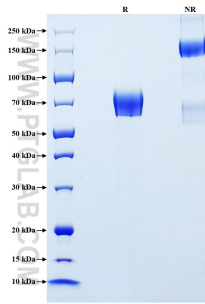
References

- 1.Merino AM. et al. (2014). PLoS One. 9(6):e99353.
- 2.Sim MJW. et al. (2019). Proc Natl Acad Sci U S A. 116(26):12964-12973.
- 3.Barani S. et al. (2020). Exp Mol Pathol. 112:104345.

Synonyms

KIR2DS4,CD158 antigen-like family member I,CD158I,

Selected Validation Data



Purity of Recombinant Human KIR2DS4 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.

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

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