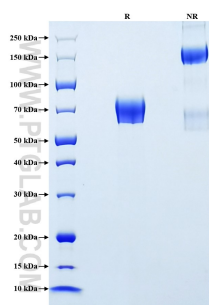


Recombinant Human KIR2DS4 protein (rFc Tag)

Catalog Number: Eg4353

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human KIR2DS4 protein Gln22-His245 (Accession# P43632) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 3809</p> <p>Accession: P43632</p> <p>Predicted Molecular Mass: 50.7 kDa</p> <p>SDS-PAGE: 62-85 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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.</p>		
References	<ol style="list-style-type: none">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, Killer cell immunoglobulin-like receptor 2DS4, KIR1D		

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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