

Recombinant Human KIR2DL3/NKAT2 Protein (Fc Tag)



Catalog Number:PKSH032674

Note: Centrifuge before opening to ensure complete recovery of vial contents.

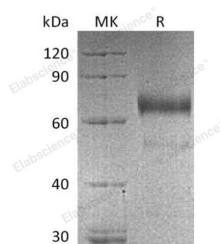
Description

| | |
|------------------------------------|--|
| Synonyms | Killer cell immunoglobulin-like receptor 2DL3;KIR2DL3;CD158b2;NKAT2;CD158 antigen-like family member B2;KIR-023GB;Killer inhibitory receptor cl 2-3;MHC class I NK cell receptor;NKAT-2;p58 NK receptor CL-6 |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | His22-His245 |
| Accession | P43628 |
| Calculated Molecular Weight | 51.7 kDa |
| Observed molecular weight | 70-80 kDa |
| Tag | C-Fc |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Killer-Cell Immunoglobulin-Like Receptors (KIRs) are important cells of the immune system. KIRs are a family of Natural Killer (NK) Cells surface glycoproteins. KIRs control the killing function of these cells by interacting with MHC class I molecules. This interaction allows KIRs to identify virally infected cells or tumor cells by the distinctive low level of Class I MHC on their surface. The majority of KIRs are inhibitory, their recognition of MHC suppresses the cytotoxic activity of their NK cell. Only a limited number of KIRs have the capacity to activate cells. KIR2DL3 is an inhibitory

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Killer Cell Ig-like Receptor. KIR2DL3 recognizes class I MHC molecules (HLA-Cw1, -Cw3, -Cw7, and Cw8). KIR2DL3 inhibits the activity of NK cells thus preventing cell lysis.

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