

Human KIR2DL3 / CD158B2 / NKAT-2 Protein (His Tag)

Catalog Number: 12828-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CD158b; CD158B2; CU464054.1; GL183; KIR-023GB; KIR-K7b; KIR-K7c; KIR2DS5; KIRCL23; MGC129943; NKAT; NKAT2; NKAT2A; NKAT2B; p58

Protein Construction:

A DNA sequence encoding the human KIR2DL3 (AAX23102.1) extracellular domain (Met 1-His 245) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 98 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His 22

Molecular Mass:

The secreted recombinant human KIR2DL3 consists of 235 amino acids and has a predicted molecular mass of 25.9 kDa. As a result of glycosylation, the apparent molecular mass of rh KIR2DL3 is approximately 45 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

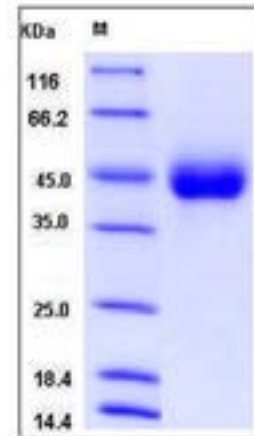
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Killer cell immunoglobulin-like receptor 2DL3, also known as CD158 antigen-like family member B2, KIR-023GB, Killer inhibitory receptor cl 2-3, MHC class I NK cell receptor, NKAT2a, NKAT2b, Natural killer-associated transcript 2, p58 natural killer cell receptor clone CL-6, p58.2 MHC class-I-specific NK receptor, CD158b2 and KIR2DL3, is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily. KIR2DL3 contains 2Ig-like C2-type (immunoglobulin-like) domains. KIR2DL3 interacts with ARRB2. KIR2DL3 is a receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7). KIR2DL3 inhibits the activity of NK cells thus preventing cell lysis.

References

1.Selvakumar A., et al., 1997, Immunol. Rev. 155:183-196. 2.Wilson M.J., et al., 1997, Tissue Antigens 49:574-579. 3.Maenaka K., et al., 1999, Structure 7:391-398.

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