

Human KIR2DL3 (CD158b2) Protein (Fc Tag)

Catalog Number: 12828-H02H

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) (Met1-His245) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE.

Endotoxin:

< 1.0 EU per µg 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 recombinant human KIR2DL3 consists of 465 amino acids and predicts a molecular mass of 51.6 kDa.

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:

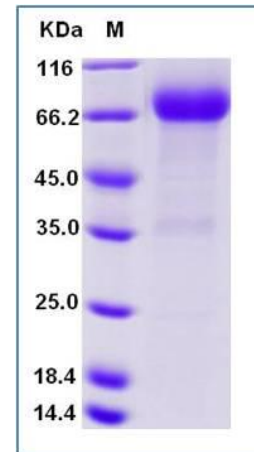
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

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-23GB, 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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