Synonym

KIR2DL3,CD158B2,KIRCL23,NKAT2,KIR-023GB,NKAT2a,NKAT2b,NKAT-2,CD158 B2,GL183,KIR-023GB,KIR-K7b,KIR-K7c,KIRCL23,NKAT,p58

Source

Human KIR2DL3, Fc Tag (KI3-H5257) is expressed from human 293 cells (HEK293). It contains AA His 22 - His 245 (Accession # NP_056952.2). Predicted N-terminus: His 22

Molecular Characterization

KIR2DL3(His 22 - His 245) NP_056952.2	Fc(Pro 100 - Lys 330) P01857

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 51.2 kDa. The protein migrates as 66-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in
Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

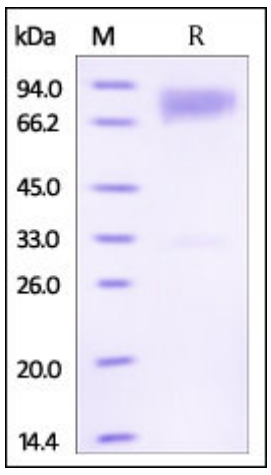
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human KIR2DL3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Killer cell immunoglobulin-like receptor 2DL3 (KIR2DL3) is 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, which is a single-pass type I membrane protein and belongs to the immunoglobulin superfamily.KIR2DL3 is a receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7). KIR2DL3 can inhibit the activity of NK cells thus preventing cell lysis.

References

(1) Colonna M., et al., 1995 Science 268:405-408.

(2) Doehring C., et al., 1996, Immunogenetics 44:227-230.

(3) Maenaka K., et al., 1999, Structure 7:391-398.

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.