Datasheet for ABIN1097038

KIR2DL4/CD158d Protein (AA 22-242) (His tag)

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Overview

Quantity:	50 µg
Target:	KIR2DL4/CD158d (KIR2DL4)
Protein Characteristics:	AA 22-242
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR2DL4/CD158d protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human KIR2DL4/CD158d/KIR103 (C-6His)
Sequence:	WAHVGGQDKP FCSAWPSAVV PQGGHVTLRC HYRRGFNIFT LYKKDGVPVP ELYNRIFWNS FLISPVTPAH AGTYRCRGFH PHSPTEWSAP SNPLVIMVTG LYEKPSLTAR PGPTVRTGEN VTLSCSSQSS FDIYHLSREG EAHELRLPAV PSINGTFQAD FPLGPATHGE TYRCFGSFHG SPYEWSDASD PLPVSVTGNP SSSWPSPTEP SFKTGIARHL HVDHHHHHH
Characteristics:	Recombinant Human Killer Cell Immunoglobulin-Like Receptor 2DL4/KIR2DL4 produced by transfected human cells is a secreted protein with sequence (Trp22-His242) of Human KIR2DL4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	KIR2DL4/CD158d (KIR2DL4)
Alternative Name:	cd158d (KIR2DL4 Products)
Sub Type:	Fusionprotein
Background:	Killer cell immunoglobulin-like receptor 2DL4(KIR2DL4) is a Single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains.It belongs to the immunoglobulin superfamily. KIR2DL4 is expressed in all NK cells and some T cells. KIR2DL4 activates the cytotoxicity of NK cells, despite the presence of an immunoreceptor tyrosine-based inhibition motif (ITIM) in its cytoplasmic tail. The ITIM was not necessary for activation of lysis by KIR2DL4. The activation signal of KIR2DL4 was sensitive to inhibition by another ITIM-containing receptor. The activation-deficient mutant of KIR2DL4 inhibited the signal delivered by the activating receptor CD16. Alternative Names: Killer Cell Immunoglobulin-Like Receptor 2DL4, CD158 Antigen-Like Family Member D, G9P, Killer Cell Inhibitory Receptor 103AS, KIR-103AS, MHC Class I NK Cell Receptor KIR103AS, CD158d, KIR2DL4, CD158D, KIR103AS
Molecular Weight:	25.34 kDa
UniProt:	Q99706

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

Expiry Date:	3 months

