

Recombinant human CD158f/KIR2DL5A protein

Catalog Number: ATGP3623

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-238aa

UniProt No.

Q8N109

NCBI Accession No.

NP_065396

Alternative Names

Killer cell immunoglobulin-like receptor 2DL5A, KIR2DL5A, CD158F, KIR2DL5A.1, KIR2DL5A.3, Killer cell immunoglobulin like receptor two Ig domains and long cytoplasmic tail 5A

PRODUCT SPECIFICATION

Molecular Weight

50.5 kDa (459aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KIR2DL5A, also known as killer cell immunoglobulin-like receptor 2DL5A, is a type I transmembrane glycoprotein that belongs to the killer cell Ig-like receptor (KIR) family. It is detected on the cell surface as a monomer that, upon tyrosine phosphorylation, recruits the Src homology region 2-containing protein tyrosine phosphatase-2, It

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is thus an inhibitory receptor gathering a combination of genetic, structural, and functional features unique among KIR, which suggests that it plays a specialized role in innate immunity. Recombinant human KIR2DL5A, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

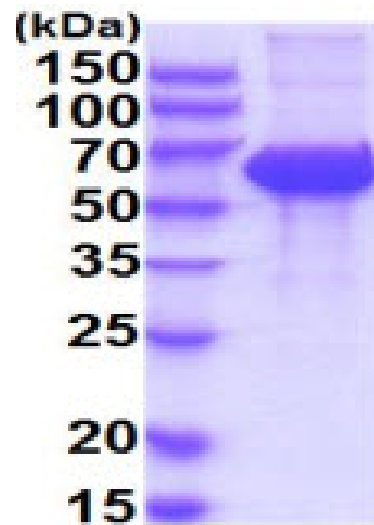
ADPHEGGQDK PLLSAWPSAV VPRGGHVTLL CRSRLGFTIF SLYKEDGVPV PELYNKIFWK SILMGPVTPA HAGTYRCRGS
HPRSPIEWSA PSNPLVIVVT GLFGKPSLSA QPGPTVRTGE NVTLSCESSRS SFDMYHLSRE GRAHEPRLPA VPSVNGTFQA
DFPLGPATHG GTYTFCGSLH DSPYEWSDPS DPLLVSVTGN SSSSSSSPTE PSSKTGIRRH VEPKSCDKTH TCPPCPAPEL
LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL
NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT
PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTKLSLSL PGKHHHHHH

General References

Vilches, C., et al. (2000) J. Immunol. 164: 5797-5804.
Lanier, L. L., et al. (2005) Rev. Immunol. 23: 187-225.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)