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

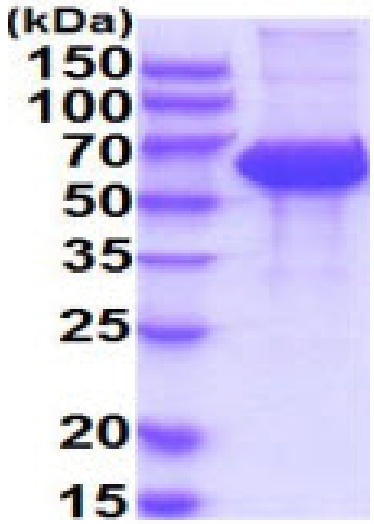
ADPHEGGQDK PLLSAWPSAV VPRGGHVTLL CRSRLGFTIF SLYKEDGVPV PELYNKIFWK SILMGPVTPA HAGTYRCRGS HPRSPIEWSA PSNPLVIVVT GLFGKPSLSA QPGPTVRTGE NVTLSCSSRS SFDMYHLSRE GRAHEPRLPA VPSVNGTFQA DFPLGPATHG GTYTCFGSLH DSPYEWSDPS DPLLVSVTGN SSSSSSSPTE PSSKTGIRRH VEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK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