Recombinant Human KIR2DL5A Protein (Met1-His238), C-His tagged

Cat. No. KIR2DL5A-3784H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KIR2DL5A (Met1-His238) fused with the C-terminal His tag was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-His238
Description	Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC) . The gene content of the KIR gene cluster varies among haplotypes, although several "framework" genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2) . The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response.

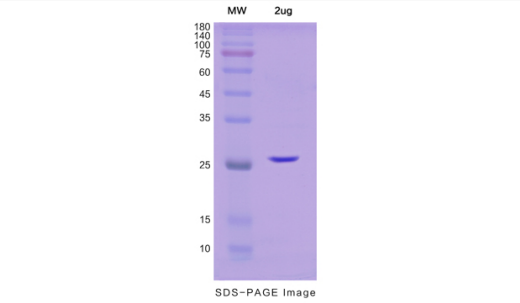
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Form	Lyophilized powder/frozen liquid
Molecular Mass	26.29 kDa
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	KIR2DL5A killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 5A [Homo sapiens (human)]
Official Symbol	KIR2DL5A
Synonyms	KIR2DL5A; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 5A; CD158F; KIR2DL5; KIR2DL5.1;
Gene ID	57292

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mRNA Refseq	NM_020535
Protein Refseq	NP_065396
MIM	605305
UniProt ID	Q8N109
SDS-PAGE	

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