

Recombinant Human KIR2DL4 Protein, C-His-tagged

Cat. No. KIR2DL4-083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIR2DL4 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	NKAT (NK-associated transcripts) gene products, known as killer immunoglobulin-like receptors or KIRs, downregulate the cytotoxicity of NK cells upon recognition of specific class I major histocompatibility complex (MHC) molecules on target cells. This family of receptors is characterized by an extracellular region with two to three immunoglobulin-superfamily domains and a cytoplasmic domain with an antigen receptor activation motif (ARAM). KIRs and other inhibitory receptors also possess a common cytoplasmic sequence (I/VxYxxL/V) known as an ITIM (immunoreceptor tyrosine-based inhibitory motif). The human inhibitory human killer cell immunoglobulin-like receptor 2DL4 (KIR2DL4), also referred to as 2DL4 or CD158d, triggers potent IFN-γ responses but weak cytotoxicity in resting NK cells because of the low stoichiometric association with γ
Molecular Mass	~24 kDa
AA Sequence	WAHVGGQDKPFCSAWPSAVVPQGGHVTLRCHYRRGFNIFTLYKKDGVVPPELYNR IFWNSFLISPVTPAHAGTYRCRGFHPHSPTIEWSAPSNPLVIMVTGLYEKPSLTARPG PTVRAGENVTLSQSSQSSFDIYHLSREGEAHELRLPAVPSINGTFQADFPLGPATHG ETYRCFGSFHGSPEYWSDPSPDLPVSVTGNPSSSWPSPTEPSFKTGIARHLH

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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	KIR2DL4 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4 [Homo sapiens (human)]
Official Symbol	KIR2DL4
Synonyms	KIR2DL4; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4; killer cell immunoglobulin-like receptor 2DL4; 15.212; 103AS; CD158D; KIR-103AS; NK cell receptor; killer Ig receptor; CD158 antigen-like family member D; MHC class I NK cell receptor KIR103AS; killer cell inhibitory receptor 103AS; natural killer cell inhibitory receptor; G9P; KIR103; KIR103AS;
Gene ID	3805
mRNA Refseq	NM_001080770
Protein Refseq	NP_001074239

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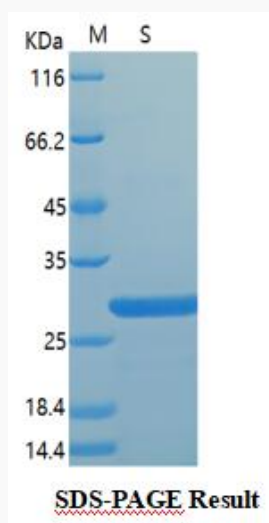
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MIM 604945

UniProt ID Q99706

SDS-PAGE



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