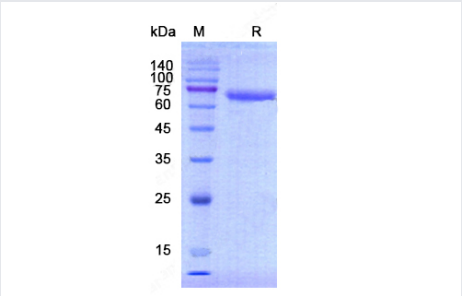
CD158b2/KIR2DL3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD158b2/KIR2DL3, Recombinant Protein
Full Product Name	Recombinant Human CD158b2/KIR2DL3, C-Fc
Product Gene Name	CD158b2/KIR2DL3 recombinant protein
Product Synonym Names	NKAT2b; KIR2DL3; p58 natural killer cell receptor clone CL-6; p58.2 MHC class-I-specific NK receptor; CD158 antigen-like family member B2; MHC class I NK cell receptor; KIR-023GB; Killer inhibitory receptor cl 2-3; p58 NK receptor CL-6; CD158b2; Killer cell immunoglobulin-like receptor 2DL3; Natural killer-associated transcript 2; CD158B2; KIRCL23; NKAT-2; NKAT2a; NKAT2; Drug Target
Host	Mammalian cells
Form/Format	Lyophilized from a solution in PBS pH7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	341
Sequence Positions	Met1-His245
OMIM	604938
3D Structure	ModBase 3D Structure for P43628
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for CD158b2/KIR2DL3 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CD158b2/KIR2DL3 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for CD158b2/KIR2DL3 recombinant protein	MBS1575917 is a recombinant protein targeting CD158b2/KIR2DL3. Also known as Recombinant Human CD158b2/KIR2DL3, C-Fc. Host: Mammalian cells.
Other Notes	Small volumes of CD158b2/KIR2DL3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of CD158b2/KIR2DL3 recombinant protein
SDS PAGE for recombinant Human CD158b2 / KIR2DL3

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD158b2/KIR2DL3. It may not necessarily be applicable to this product.

NCBI GI #	1171727
NCBI GeneID	3804
NCBI Accession #	P43628.1
UniProt Primary Accession #	P43628
UniProt Secondary Accession #	O43472; P78402; Q14944; Q14945; Q9UM51; Q9UQ70
UniProt Related Accession #	P43628
NCBI Official Full Name	Killer cell immunoglobulin-like receptor 2DL3
NCBI Official Synonym Full Names	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3
NCBI Official Symbol	KIR2DL3
NCBI Official Synonym Symbols	p58; NKAT; GL183; NKAT2; CD158b; NKAT2A; NKAT2B; CD158B2; KIR-K7b; KIR-K7c; KIR2DS5; KIRCL23; KIR-023GB
UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DL3
UniProt Synonym Protein Names	CD158 antigen-like family member B2; KIR-023GB; Killer inhibitory receptor cl 2-3; MHC class I NK cell receptor; NKAT2a; NKAT2b; Natural killer-associated transcript 2; NKAT-2; p58 natural killer cell receptor clone CL-6; p58 NK receptor CL-6; p58.2 MHC class-I-specific NK receptor; CD_antigen: CD158b2
UniProt Gene Name	KIR2DL3
UniProt Synonym Gene Names	CD158B2; KIRCL23; NKAT2; NKAT-2; p58 NK receptor CL-6
UniProt Entry Name	KI2L3_HUMAN
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DL3; NKAT-2; NK-receptor; p58 NK receptor CL-6; MHC class I NK cell receptor; killer inhibitory receptor cl 2-3; killer Ig-like inhibitory receptor; CD158 antigen-like family member B2; natural killer associated t
NCBI Summary for CD158b2/KIR2DL3	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. [provided by RefSeq, Jul 2008]

UniProt Comments for CD158b2/KIR2DL3	KIR2DL3: Receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7). Inhibits the activity of NK cells thus preventing cell lysis. Belongs to the immunoglobulin superfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc. Chromosomal Location of Human Ortholog: 19q13.4 Cellular Component: integral to plasma membrane; integral to membrane; plasma membrane Molecular Function: protein binding; receptor activity; antigen binding Biological Process: regulation of immune response; immune response
Research Articles on CD158b2/KIR2DL3	**1.** KIR2DL3 and KIR3DS1 genes could be protector genes and immuno-genetic markers for Hepatits B in the Turkish population.
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