Killer Cell Immunoglobulin Like Receptor 2DL2 (KIR2DL2) Recombinant Protein | KIR2DL2 recombinant protein

Recombinant Killer Cell Immunoglobulin Like Receptor 2DL2 (KIR2DL2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134658	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

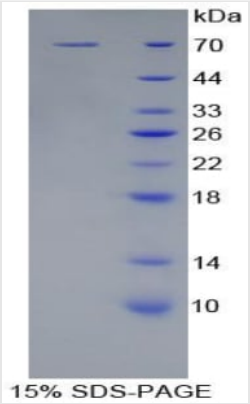
PRODUCT SYNONYMS

Killer Cell Immunoglobulin Like Receptor 2DL2 (KIR2DL2); Recombinant Killer Cell Immunoglobulin Like Receptor 2DL2 (KIR2DL2); KIR2DL2 recombinant protein

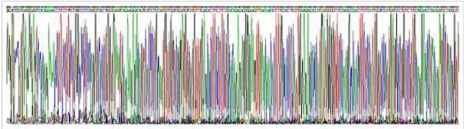
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 50ug/mL (varies by lot)
Applicable Applications for KIR2DL2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	His22~Glu339
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	6.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Gene Sequence
Gene Sequencing (extract

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                    HEGVHRKPS LLAHPGRLVK SEETVILQCW
SDVRFEHFLL HREGKFKDTL HLIGEHHDGV SKANFSIGPM MQDLAGTYRC
YGSVTHSPYQ LSAPSDPLDI VITGLYEKPS LSAQPGPTVL AGESVTLSCS
SRSSYDMYHL SREGEAHECR FSAGPKVNGT FQADFPLGPA THGGTYRCFG
SFRDSPYEWS NSSDPLLVSV IGNPSNSWPS PTEPSSKTGN PRHLHILIGT
SVVIILFILL FFLLHRWCSN KKNAAVMDQE SAGNRTANSE DSDEQDPQEV
TYTQLNHCVF TQRKITRPSQ RPKTPPTDII VYAELPNAE
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	134304833
NCBI GeneID	3803
NCBI Accession #	NP_055034.2
NCBI GenBank Nucleotide #	NM_014219.2
UniProt Accession #	P43627; Q14951; C6EVR8
Molecular Weight	Predicted Molecular Mass: 67.9kDa Accurate Molecular Mass: 75kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	killer cell immunoglobulin-like receptor 2DL2
NCBI Official Synonym Full Names	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2
NCBI Official Symbol	KIR2DL2
NCBI Official Synonym Symbols	NKAT6; p58.2; CD158b; CD158B1
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DL2; NKAT-6; p58 NK receptor CL-43; MHC class I NK cell receptor; CD158 antigen-like family member B1; natural killer-associated transcript 6; p58 natural killer cell receptor clone CL-43
UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DL2
UniProt Gene Name	**KIR2DL2**
UniProt Synonym Gene Names	CD158B1; NKAT6; NKAT-6
UniProt Entry Name	KI2L2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/kir2dl2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134658