cellsciences.com

KIR2DS4 Recombinant Human Killer Cell Immunoglobulin-Like Receptor 2 Domains Long Cytoplasmic Tail 4

Catalog No.	CRK104A CRK104B CRK104C	Quantity:	5 μg 20 μg 1.0 mg
Alternate Names:	Killer cell immunoglobulin-like receptor 2DS4, MHC class I NK cell receptor, Natural killer-associated transcript 8, NKAT-8, P58 natural killer cell receptor clone CL-39, p58 NK receptor, CL-17, CD158 antigen-like family member I, CD158i antigen, KIR2DS4, CD158I, KKA3, NKAT8, KIR1D, KIR412, MGC120019, MGC125315, MGC125317.		
Description:	Killer-cell immunoglobulin-like found on Natural Killer (NK) C control the killing function of the are expressed on all cell types cells or tumor cells that have a majority of KIRs are inhibitory cytotoxic activity of their NK c activate cells. The KIR genes are found in a receptor complex (LRC). KIR sequences differ significantly different arrays/repertoires of The KIR proteins are categori (2D or 3D) and by whether the proteins with the long cytoplas binding via an immune tyrosin the short cytoplasmic domain protein tyrosine kinase binding KIR2DS4 is an activating Kille p50.3, cl39, or KAR-K1), which not inhibit the activity of NK ce Recombinant KIR2DS4 production	e receptors (KIRs), are a fan Cells, which are important ce hese cells by interacting with s. This interaction allows the a distinctive low level of Cla r, which means that their reco ell. Only a limited number of cluster on chromosome 19 molecules are extremely po- between individuals, so that KIR genes. zed by the number of extrace ey have a long (L) or short (smic domain transduce inhill he-based inhibitory motif (IT lack the ITIM motif and inst g protein to transduce active er Cell Ig-like Receptor (KIR ch may recognize class I MH ells. iced in <i>E.Coli</i> is a single, no 1-202 and having a molecul	nily of cell surface glycoproteins ells of the immune system. They h MHC class I molecules, which em to identify virally infected ss I MHC on their surface. The cognition of MHC suppresses the f KIRs have the capacity to q13.4 within the 1 Mb leukocyte olymorphic, meaning their gene t different individuals have cellular immunoglobulin domains S) cytoplasmic domain. KIR bitory signals upon ligand IM). Whereas KIR proteins with read associate with the TYRO ating signals. , previously called p50 KIR, IC molecules. KIR2DS4 does n-glycosylated polypeptide lar mass of 22.2 kDa.
Physical Appearance:	Sterile filtered colorless solution	on.	
GenelD:	3809		
Source:	E. coli		
Molecular Mass:	22.2 kDa		
Formulation:	The protein (1mg/ml) contains	s 20 mM Tris-HCI (pH-7.5).	
Purity:			



Cell Sciences ® 480 Neponset Street Bldg 12A Canton, MA 02021 Toll Free: 888-769-1246 Phone: 781-828-0610 Fax: 781-828-0542



	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Purification:	The KIR2DS4 is purified by proprietary chromatographic techniques.
Amino Acid Sequence:	MEGVHRKPSF LALPGHLVKS EETVILQCWS DVMFEHFLLH REGKFNNTLH LIGEHHDGVS KANFSIGPMM PVLAGTYRCY GSVPHSPYQL SAPSDPLDMV IIGLYEKPSL SAQPGPTVQA GENVTLSCSS RSSYDMYHLS REGEAHERRL PAVRSINGTF QADFPLGPAT HGGTYRCFGS FRDAPYEWSN SSDPLLVSVT GN.
Storage & Stability:	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Toll Free: 888-769-1246 Phone: 781-828-0610 Fax: 781-828-0542