

KIR2DL3 Protein, Human (HEK293, His)

Cat. No.:	HY-P70354
Synonyms:	rHuKiller cell immunoglobulin-like receptor 2DL3/KIR2DL3, His; Killer Cell Immunoglobulin-Like Receptor 2DL3; 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 C
Species:	Human
Source:	HEK293
Accession:	P43628 (H22-H245)
Gene ID:	3804
Molecular Weight:	35-50 kDa

PROPERTIES

AA Sequence	<pre> HEGVHRKPSL LAHPGPLVKS EETVILQCWS DVRFQHFLLH REGKFKDTLH LIGEHHDGVS KANFSIGPMM QDLAGTYRCY GSVTHSPYQL SAPSDPLDIV ITGLYEKPSL SAQPGPTVLA GESVTLSCSS RSSYDMYHLS REGEAHERRF SAGPKVNGTF QADFPLGPAT HGGTYRCFGS FRDSPYEWSN SSDPLLVSVT GNPSNSWPSP TEPSSSETGNP RHLH </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	KIR2DL3, expressed on natural killer (NK) cells, functions as a receptor specifically recognizing HLA-C alleles, such as HLA-Cw1, HLA-Cw3, and HLA-Cw7. Through this interaction, KIR2DL3 exerts inhibitory effects on NK cell activity, playing a crucial role in preventing cell lysis. The receptor further engages with ARRB2, highlighting its involvement in intricate cellular signaling pathways that modulate NK cell functions.
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Caution: Product has not been fully validated for medical applications. For research use only.

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