KIR3DL3/CD158z Protein, Human (HEK293, His)

Cat. No.:	HY-P77042
Synonyms:	Killer cell immunoglobulin-like receptor 3DL3; CD158Z; KIR3DL7; KIRC1
Species:	Human
Source:	HEK293
Accession:	Q8N743/NP_703144.2 (Q26-L322)
Gene ID:	115653
Molecular Weight:	Approximately 40-50 kDa due to the glycosylation.

PROPERTIES

AA Sequence	Q D K P F L S A W P G T V V S E G Q H V T L Q C R S R L G F N E F S L S K E D G M P V P E L Y N R I F R N S F L M G P V T P A H A G T Y R C C S S H P H S P T G W S A P S N P V V I M V T G V H R K P S L L A H P G P L V K S G E T V I L Q C W S D V R F E R F L L H R E G I T E D P L R L V G Q L H D A G S Q V N Y S M G P M T P A L A G T Y R C F G S V T H L P Y E L S A P S D P L D I V V V G L Y G K P S L S A Q P G P T V Q A G E N V T L S C S S R S L F D I Y H L S R E A E A G E L R L T A V L R V N G T F Q A N F P L G P V T H G G N Y R C F G S F R A L P H A W S D P S D P L P V S V T G N S R H L
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human HHLA2 at 0.5 μg/mL (100μL/well) can bind Biotinylated human KIR3DL3. The ED_{50} for this effect is 39.78ng/mL.
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	KIR3DL3, present on natural killer cells, acts as a receptor that potentially inhibits NK cell activity, thereby contributing to

	the prevention of cell lysis. This regulatory role underscores the significance of KIR3DL3 in modulating the functions of NK cells and maintaining immune homeostasis.

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