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Datasheet for ABIN7549720
KLRC2 Protein (AA 1-231) (His tag)

Overview

Quantity:	1 mg
Target:	KLRC2
Protein Characteristics:	AA 1-231
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRC2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KLRC2 Protein expressed in mammalien cells.
Sequence:	MNKQRGTFSE VSLAQDPKRQ QRKPKGNKSS ISGTEQEIFQ VELNLQNPSL NHQGIDKIYD CQGLLPPEK LTAEVLGIIC IVLMATVLKT IVLIPFLEQN NFSPNTRTQK ARHCGHCPEE WITYNSCY YIGKERRTWEE SLLACTSKNS SLLSIDNEEE MKFLASILPS SWIGVFRNSS HHPWVTINGL AFKHKIKDSD NAELNCAVLQ VNRLKSAQCG SSMIYHCKHK L Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	KLRC2
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Alternative Name:	KLRC2 (KLRC2 Products)
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Background:	<p>NKG2-C type II integral membrane protein (CD159 antigen-like family member C) (NK cell receptor C) (NKG2-C-activating NK receptor) (CD antigen CD159c),FUNCTION: Immune activating receptor involved in self-nonself discrimination. In complex with KLRD1 on cytotoxic lymphocyte subsets, recognizes non-classical major histocompatibility (MHC) class Ib HLA-E loaded with signal sequence-derived peptides from non-classical MHC class Ib HLA-G molecules, likely playing a role in the generation and effector functions of adaptive natural killer (NK) cells and in maternal-fetal tolerance during pregnancy (PubMed:9754572, PubMed:30134159, PubMed:37264229). Regulates the effector functions of terminally differentiated cytotoxic lymphocyte subsets, and in particular may play a role in adaptive NK cell response to viral infection (PubMed:21825173, PubMed:20952657). Upon HLA-E-peptide binding, transmits intracellular signals via the adapter protein TYROBP/DAP12, triggering the phosphorylation of proximal signaling molecules and cell activation (PubMed:9655483, PubMed:15940674). {ECO:0000269 PubMed:15940674, ECO:0000269 PubMed:20952657, ECO:0000269 PubMed:21825173, ECO:0000269 PubMed:30134159, ECO:0000269 PubMed:37264229, ECO:0000269 PubMed:9655483, ECO:0000269 PubMed:9754572}.</p>
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Target Details

Molecular Weight: 26.2 kDa

UniProt: [P26717](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months