

Datasheet for ABIN7596208
KLRF1 Protein (AA 60-231) (hIgG-His-tag)



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Overview

Quantity:	250 µg
Target:	KLRF1
Protein Characteristics:	AA 60-231
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KLRF1 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	LLVSQGV LLKCQKGSCS NATQYEDTGD LKVNNGTRRN ISNKDLCASR SADQTVLCQS EWLKYQGKCY WFSNEMKSW S DSYVYCLERK SHLLIHDQL EMAFIQKNLR QLNYVWIGLN FTSLKMTWTW VDGSPIDSKI FFIKGPaken SCAAIKESKI FSETCSSVFK WICQY
Purity:	> 85% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When cells are added to human KLRF1 coated plates 2 ug/ml. This effect is more to 60%.

Target Details

Target:	KLRF1
Alternative Name:	NKp80/KLRF1 (KLRF1 Products)
Background:	<p>NKp80/KLRF1, also known as killer cell lectin-like receptor subfamily F member 1, is a member of the C-type lectin family. Multiple splicing variants produce four isoforms for NKp80/KLRF1 and isoform 1 is the standard protein. It is expressed on NK cells and a subset of T lymphocytes whereas it is not expressed on B lymphocytes, monocytes and granulocytes. It stimulates NK cell cytotoxicity and induces calcium influx after triggering by appropriate antibodies. It works through interaction with its ligand, AICL (activation-induced C-type lectin), which is selectively expressed on myeloid cells. NKp80-AICL interaction regulates the immune responses at sites of inflammation by stimulating the release of proinflammatory cytokines. Recombinant human NKp80/KLRF1, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	47.1kDa (414aa)
NCBI Accession:	NP_057607

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.