9051 Mira Mesa Blvd, #910094
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KLRK1 Human, Sf9

Killer Cell lectin-Like Receptor Subfamily K, Member 1 Human Recombinant, Sf9
RCP1185

Product Overview

Name	KLRK1 Human, Sf9

Description

Killer Cell lectin-Like Receptor Subfamily K, Member 1 Human Recombinant, Sf9

Accession (Primary)	P26718

Synonyms

Killer Cell Lectin Like Receptor K1, Killer Cell Lectin-Like Receptor Subfamily K, Member 1, NKG2-D-Activating NK Receptor, NK Cell Receptor D, D12S2489E, NKG2D, DNA Segment On Chromosome 12 (Unique) 2489 Expressed Sequence, Killer Cell Lectin-Like Receptor Subfamily K Member 1, NKG2-D Type II Integral Membrane Protein, CD314 Antigen, NKG2-D, CD314, KLR.

Introduction

Killer Cell lectin-Like Receptor Subfamily K, Member 1 (KLRK1) is an activating receptor which has recently generated considerable interest. The most fascinating of these, are a couple of closely related proteins known as MICA and MICB. These are cell-surface molecules distantly related to MHC class I proteins, and their genes have elements of heat shock promoters. Thus, MICA and MICB are expressed in the course of cell stress and are up-regulated in tumor cells and during viral infections. This receptor-ligand combination has a crucial role in the immune response to various pathologies.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

KLRK1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

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ADP IWSAVFL NSLFNQEVQI PLTESYCGPC PKNWICYKNN CYQFFDESKN WYESQASCMS QNASLLKVYS KEDQDLLKLV KSYHWMGLVH IPTNGSWQWE DGSILSPNLL TIIEMQKGDC ALYASSFKGY IENCSTPNTY ICMQRTV VEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH.

Precautions

KLRK1 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26718)