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KLRF1 Human

Killer Cell lectin-like Receptor Subfamily F Member 1 Human Recombinant RCP1183

Product Overview

Name	KLRF1 Human

Description

Killer Cell lectin-like Receptor Subfamily F Member 1 Human Recombinant

Accession (Primary)	Q9NZS2

Synonyms

NKp80, KLRF1, C-type lectin domain family 5 member C, CLEC5C, ML, Killer cell lectin-like receptor F1, Killer cell lectin-like receptor subfamily F member 1,Killer cell lectin-like receptor subfamily F member 1 isoform 1, Lectin-like receptor F1, Activating coreceptor NKp80, CLEC5CMGC119908, MGC119907, MGC119909.

Introduction

Killer cell lectin-like receptor subfamily F member 1, aka KLRF1, is a member of the C-type lectin family. KLRF1, an activating homodimeric C-type lectin-like receptor (CTLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytoxicity and cytokine release. Killer cell lectin-like receptor subfamily F member 1 works through interaction with its ligand, AICL (activation-induced C-type lectin), which is selectively expressed on myeloid cells. AICL interaction regulates the immune responses at sites of inflammation by stimulating the release of proinflammatory cytokines. Diseases associated with KLRF1 include Developmental And Epileptic Encephalopathy 76.

Source

HEK293 Cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The KLRF1 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) 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 85.0% as determined by SDS-PAGE.

Amino acid sequence

DGSLLVSQGV LLKCQKGSCS NATQYEDTGD LKVNNGTRRN ISNKDLCASR SADQTVLCQS EWLKYQGKCY

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WFSNEMKSWS DSYVYCLERK SHLLIIHDQL EMAFIQKNLR QLNYVWIGLN FTSLKMTWTW VDGSPIDSKI FFIKGPAKEN SCAAIKESKI FSETCSSVFK WICQY LEPKS CDRTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH

Biological Activity

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%.

Precautions

KLRF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NZS2)