
Product Data Sheet

Product Name: KLRF1 Human
 Cat. No.: GP26300
 Batch No.: 1

Product Data

Purity >98% Source HEK293 Cells.

Physical Appearance solid Shipping Condition withIcePacks

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.

Amino Acid Sequence
 DGSLLSQGV LLKCQKGSCS NATQYEDTGD LKVNNGTRRN ISNKDLCASR
 SADQTVLCQS EWLKYQGKCY WFSNEMKSW S DSYVYCLERK SHLLIHDQL
 EMAFIQKNLR QLNYVWIGLN FTSLKMTWTW VDGSPIDSKI FFIKGPAKEN
 SCAAIKESKI FSETCSSVFK WICQYLEPKS CDRTHTCPPC PAPELLGGPS
 VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT
 KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA
 KGQPREPQVY TLPPSRDEL T KNQVSLTCLV KGFYPSDIAV EWESNGQPEN
 NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK
 SLSLSPGKHH HHHH

Formulation The KLRF1 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

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 (CLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytotoxicity 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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

associated with KLRF1 include Developmental And Epileptic Encephalopathy 76.

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%.

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.

Background

KLRF1 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 414 amino acids (60-231a.a) and having a molecular mass of 47.1kDa. KLRF1 is fused to a 242 amino acid hlgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA