

KLRLK1 Human

Description:KLRLK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (73-216 a.a.) and having a molecular mass of 19.2kDa. KLRLK1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1297

For research use only.

Synonyms:CD314, D12S2489E, KLR, NKG2-D, NKG2D, Killer cell lectin-like receptor subfamily K member 1, NK cell receptor D, NKG2-D-activating NK receptor, CD314.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMIWSAVF LNSLFNQEVQ
IPLTESYCGP CPKNWICYKN NCYQFFDESK NWYESQASCM SQNASLLKVY SKEDQDLLKL
VKSYHWMGLV HIPTNGSWQW EDGSILSPNL LTIEMQKGD CALYASSFKG YIENCSTPNT
YICMQRTV.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

KLRLK1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Killer Cell lectin-Like Receptor Subfamily K, Member 1 (KLRLK1) 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.

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