
Product Data Sheet

Product Name: KLRC2 Human
 Cat. No.: GP23759
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Killer cell lectin-like receptor subfamily C member 2; NKG2-C type II integral membrane protein; NKG2-C-activating NK receptor; CD159 antigen-like family member C; NK cell receptor C; NKG2C; CD159c.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMIPFLEQ NNFSPNTRTQ KARHCGHCPE EWITYSNSCY YIGKERRTWE ESSLACTSKN SLLSIDNEE EMKFLASILP SSWIGVFRNS SHHPWVTING LAFKHKIKDS DNAELNCAVL QVNRLKSAQC GSSMIYHCKH KL		
Formulation	The KLRC2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

KLRC2 has a part as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. The group, designated KLRC (NKG2) are expressed mainly in natural killer (NK) cells and encodes a family of transmembrane proteins categorized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The KLRC (NKG2) gene family is situated inside the NK complex, a region which holds a few C-type lectin genes specially expressed on NK cells. KLRC2 alternative splice variants are known but their full-length nature is yet to be determined.

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

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

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KLRC2 Human Recombinant produced in E. coli is a single polypeptide chain containing 162 amino acids (94-231) and having a molecular mass of 18.4 kDa. KLRC2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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