
Product Data Sheet

Product Name: KLRD1 Human
 Cat. No.: GP23761
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Killer Cell Lectin Like Receptor D1; Killer Cell Lectin-Like Receptor Subfamily D; Member 1; NK Cell Receptor; CD94 Antigen; CD94; KP43; Killer Cell Lectin-Like Receptor Subfamily D Member 1; Natural Killer Cells Antigen CD94; KLRD1.		
Amino Acid Sequence	ADPKNSFTKL SIEPAFTPGP NIELQKSDSC CSCQEKWVGY RCNCYFISSE QKTWNESRHL CASQKSSLLQ LQNTDELDFM SSSQQFYWIG LSYSEEHTAW LWENGSAALSQ YLFPSEFTFN TKNCIAYNPN GNALDESCED KNRYICKQQL IHHHHHH		
Formulation	KLRD1 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

KLRD1, also known as Killer Cell Lectin Like Receptor D1, is expressed on the surface of natural killer cells in the innate immune system. KLRD1 functions as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. KLRD1 can create disulfide-bonded heterodimer with NKG2 family members. CD94 & NKG2 complex interacts with (HLA)-E, Human Leukocyte Antigen on target cells on the surface of natural killer cells.

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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KLRD1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (32-179 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 157 amino acids and having a molecular mass of 18.2kDa. KLRD1 shows multiple bands between 18-28kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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