

Recombinant Human KLRD1

Cat. No. KLRD1-26330TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD94 with N-terminal proprietary tag. Predicted MW 45.1kDa.
Species	Human
Source	Wheat Germ
ProteinLength	179 amino acids
Description	Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an antigen preferentially expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Weight	45.100kDa inclusive of tags
Tissue specificity	Natural killer cells.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAVFKTTLWRLISGTLGIICLSLMATLGILLKNSFTKLSI EPAFTPGPNIELQKSDCCS CQEKWVG YRCNCYFISSEQK TWNESRHL CASQKSSLLQLQNTDELDFMSSSRQFY WIGLS YSEEHTAWLWENG SALSQYLFPSFETFNTKN CIAYNPNGN ALDESCEDKN RYICKQQLI
Sequence Similarities	Contains 1 C-type lectin domain.

GENE INFORMATION

Gene Name	KLRD1 killer cell lectin-like receptor subfamily D, member 1 [Homo sapiens]
Official Symbol	KLRD1
Synonyms	KLRD1; killer cell lectin-like receptor subfamily D, member 1; CD94; natural killer cells antigen CD94;
Gene ID	3824
mRNA Refseq	NM_001114396
Protein Refseq	NP_001107868
MIM	602894
Uniprot ID	Q13241

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Chromosome Location	12p13
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem;
Function	binding; receptor activity; sugar binding; transmembrane signaling receptor activity;

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