

Recombinant human CD158a/KIR2DL1 protein

Catalog Number: KIR3001

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-223aa

UniProt No.

P43626

NCBI Accession No.

NP_055033

Alternative Names

Killer cell immunoglobulin like receptor two Ig domains and long cytoplasmic tail 1, Killer cell immunoglobulin-like receptor 2DL1, CD158 antigen-like family member A, Natural killer-associated transcript 1, NKAT-1, p58 natural killer cell receptor clones CL-42/47.11, p58 NK receptor CL-42/47.11, p58.1 MHC class-I-specific NK receptor, CD158a

PRODUCT SPECIFICATION

Molecular Weight

22.2 kDa (202aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5)

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

An inhibitory Keller Cell Ig-like Receptor (KIR, previously called p58 KIR, p58. 1, cl-42, NKAT1, or KIR-K6), which recognizes class I MHC molecules (HLA-Cw2, -Cw4, -Cw5, and Cw6). The protein coding region of the extracellular domain of KIR2DL1 (amino acids 1-202) was cloned into an E. coli expression vector. The

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extracellular domain of KIR2DL1 was overexpressed as insoluble protein aggregates (inclusion bodies). The recombinant KIR2DL1 protein was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer.

Amino acid Sequence

MEGVHRKPSL LAHPGRLVKS EETVILQCWS DVMFEHLLH REGMFDNLT LR LIGEHHDGVS KANFSISRMT QDLAGTYRCY
GSVTHSPYQV SAPSDPLDIV IIGLYEKPSL SAQLGPTVLA GENVTLCSS RSSYDMYHLS REGEAHERRL PAGPKVNGTF
QADFPLGPAT HGGTYRCFGS FHDSPEYWSK SSDPLLVSVT GN

General References

Steffens, u. et al. (1998) Tissue Antigens 51, 398-413.

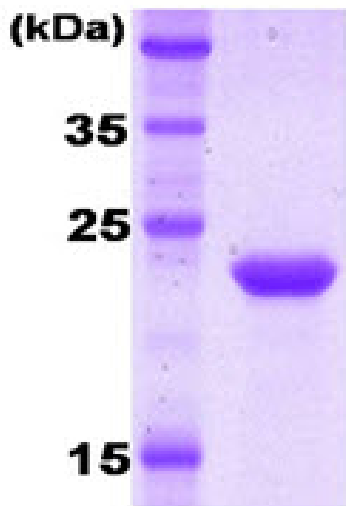
Wagtman, N.R., et al. (1995) Immunity 2, 439-449.

Colonna, M. et al. (1995) Science 269, 405-408

Kim, J. et al. (1997) J. Immunol. 159, 3875-3882.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)