

Recombinant human CD158b2/KIR2DL3 protein

Catalog Number: KIR3002

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-223aa

UniProt No.

P43628

NCBI Accession No.

NP_056952.2

Alternative Names

Killer cell immunoglobulin like receptor, Two Ig domains and long cytoplasmic tail 3, Killer cell immunoglobulin-like receptor 2DL3, CD158 antigen-like family member B2, KIR-023GB, Killer inhibitory receptor cl 2-3, NKAT2a, NKAT2b, Natural killer-associated transcript 2, NKAT-2, p58 natural killer cell receptor clone CL-6, p58 NK receptor CL-6, p58.2 MHC class-I-specific NK receptor, CD158B2, KIRCL23, p58

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 Killer Cell Ig-like Receptor (KIR, previously called p58 KIR, cl-6, NKAT2 or KIR-K7), which recognizes class I MHC molecules (HLA-Cw1, -Cw3, -Cw7, and Cw8). The protein coding region of the extracellular domain of KIR2DL3 (22-223aa) was cloned into an E. coli expression vector. The extracellular domain of KIR2DL3 protein

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was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer.

Amino acid Sequence

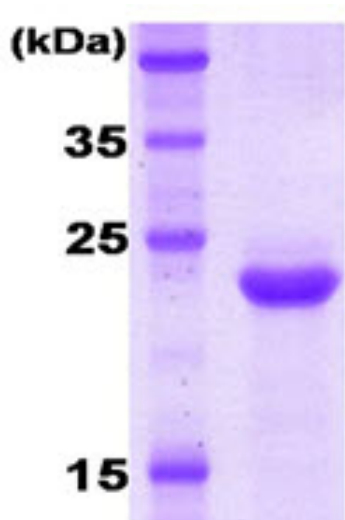
MEGVHRKPSL LAHPGPLVKS EETVILQCWS DVRFQHLLH REGKFKDTLH LIGEHHDGIS KANFSIGPMM QDLAGTYRCY
GSVTHSPYQL SAPSDPLDIV ITGLYEKPSL SAQPGPTVLA GESVTLSCSS RSSYDMYHLS REGEAHERRF SAGPKVNGTF
QADFPLGPAT HGGTYRCFGS FRDSPYEWSN SSDPLLVSVT GN

General References

Steffens, u. et al. (1998) Tissue Antigens 51, 398-413.
Wagtmann, N. R., et al. (1995) Immunity 2, 439-449.
Colonna, M. et al. (1995) Science 268, 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)