

# Recombinant human CD158b2/KIR2DL3 protein

Catalog Number: KIR3002

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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.

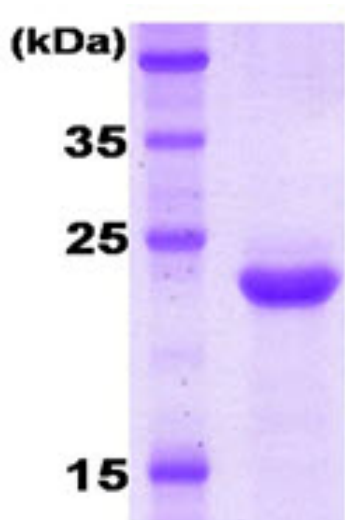
Wagtman, N. R., et al. (1995) Immunity 2, 439-449.

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)