Recombinant human CD158i/KIR2DS4 protein

Catalog Number: KIR3003

PRODUCT INFORMATION

Expression system
E.coli

Domain
23-223aa

UniProt No.
P43632

NCBI Accession No.
NP_036446

Alternative Names
Killer cell immunoglobulin like receptor two Ig domains and short cytoplasmic tail 4, Killer cell immunoglobulin-like receptor 2DS4, CD158 antigen-like family member I, Natural killer-associated transcript 8, NKAT-8, P58 natural killer cell receptor clones CL-39/CL-17, p58 NK receptor CL-39/CL-17, KKA3, cl-39

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 activating Killer Cell Ig-like Receptor (KIR, previously called p50 KIR, p50. 3, cl39, or KAR-K1), which may recognize class I MHC molecules. The protein coding region of the extracellular domain of KIR2DS4 (amino acids 1-202) was cloned into an E. coli expression vector. The extracellular domain of KIR2DS4 was overexpressed as insoluble protein aggregates (inclusion bodies). The recombinant KIR2DS4 protein was purified by FPLC gel-

filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer.

Amino acid Sequence

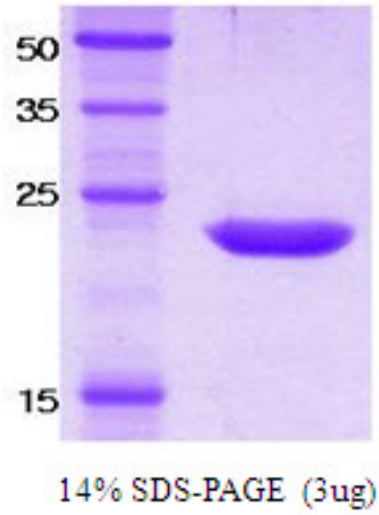
MEGVHRKPSF LALPGHLVKS EETVILQCWS DVMFEHFLLH REGKFNNTLH LIGEHHDGVS KANFSIGPMM PVLAGTYRCY GSVPHSPYQL SAPSDPLDMV IIGLYEKPSL SAQPGPTVQA GENVTLSCSS RSSYDMYHLS REGEAHERRL PAVRSINGTF QADFPLGPAT HGGTYRCFGS FRDAPYEWSN SSDPLLVSVT GN

General References

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

DATA

SDS-PAGE



14% SDS-PAGE (3ug)

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