Recombinant human NKG2C/KLRC2 protein

Catalog Number: ATGP1679

PRODUCT INFORMATION

Expression system
E.coli

Domain
94-231aa

UniProt No.
P26717

NCBI Accession No.
NP_002251

Alternative Names
NKG2-C type II integral membrane protein, CD159c, NKG2-C, NKG2C

PRODUCT SPECIFICATION

Molecular Weight
18.4 kDa (162aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
NKG2-C type II integral membrane protein, also known as KLRC2, plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. The group, designated KLRC (NKG2) are expressed primarily in natural killer (NK) cells and encodes a family of transmembrane proteins characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The KLRC (NKG2) gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed on NK cells. KLRC2 alternative splice variants have been described but their full-length

nature has not been determined. Recombinant human KLRC2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

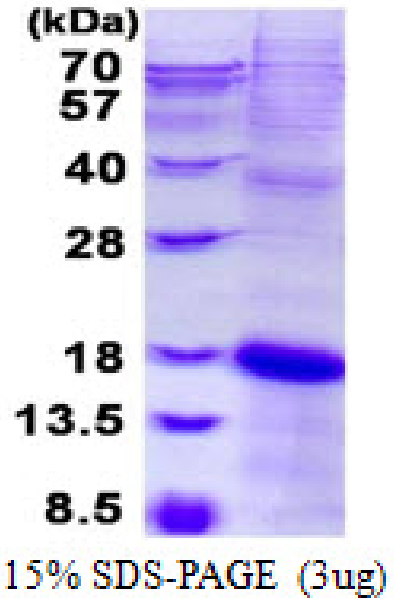
MGSSHHHHHH SSGLVPRGSH MGSMIPFLEQ NNFSPNTRTQ KARHCGHCPE EWITYSNSCY YIGKERRTWE ESLLACTSKN SSLLSIDNEE EMKFLASILP SSWIGVFRNS SHHPWVTING LAFKHKIKDS DNAELNCAVL QVNRLKSAQC GSSMIYHCKH KL

General References

Houchins J.P., et al. (1991) J. Exp. Med. 173:1017-1020
Shum B.P., et al. (2002) J. Immunol. 168:240-252

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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