

# Recombinant human NKG2C/KLRC2 protein

Catalog Number: ATGP1679

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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

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

## Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMIPFLEQ NNFSPNTRTQ KARHCGHCPE EWITYSNSCY YIGKERRTWE ESSLACTSKN  
SSLLSIDNEE EMKFLASILP SSWIGVFRNS SHHPWVTING LAFKHKIKDS DNAELNCAVL QVNRLKSAQC GSSMIYHCKH KL

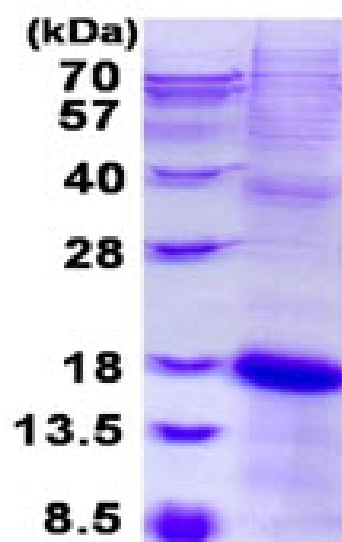
## General References

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



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

15% SDS-PAGE (3ug)