

# Recombinant human NKG2A/KLRC1 protein

Catalog Number: ATGP3608

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

94-233aa

### UniProt No.

P26715

### NCBI Accession No.

NP\_998823

### Alternative Names

NKG2-B, NKG2-A/NKG2-B type II integral membrane protein isoform NKG2-A, NKG2-A/B-activating NK receptor, NKG2-A, NK cell receptor A, Killer cell lectin-like receptor subfamily C member 1, Killer cell lectin like receptor C1, CD159a, CD159 antigen-like family member A

## PRODUCT SPECIFICATION

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### Molecular Weight

17.1 kDa (149aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### 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

KLRC1, also known as NKG2-A/NKG2-B type II integral membrane protein isoform NKG2-A, is a member of the killer cell lectin-like receptor family. It associates with CD94 and is expressed on NK cells and some activated T

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cell populations. This protein functions as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Recombinant human KLRC1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

ADPPSTLIQR HNNSSLNTRT QKARHCGHCP EEWITYNSNC YYIGKERRTW EESLLACTSK NSSLLSIDNE EEMKFLSIIS  
PSSWIGVFRN SSHHPWVTMN GLAFKHEIKD SDNAELNCAV LQVNRLKSAQ CGSSIIYHCK HKLHHHHHHH

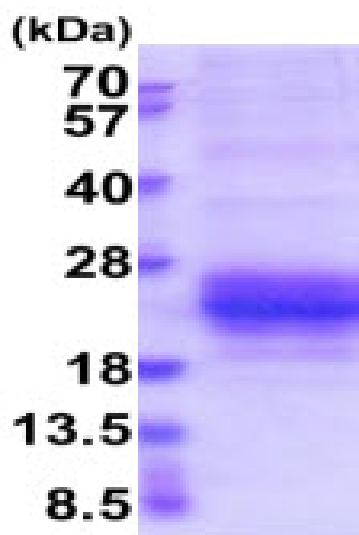
## General References

Harrison RJ., et al, (2010) Clin Exp Immunol. 161:306-314.

Rapaport AS., et al, (2015) Immunity. 43:1112-1124

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)