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## Recombinant human NKG2A/KLRC1 protein

Catalog Number: ATGP3608

#### **PRODUCT INFORMATION**

#### **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**

#### **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**

#### **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**

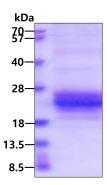
<ADP>PSTLIQR HNNSSLNTRT QKARHCGHCP EEWITYSNSC YYIGKERRTW EESLLACTSK NSSLLSIDNE EEMKFLSIIS PSSWIGVFRN SSHHPWVTMN GLAFKHEIKD SDNAELNCAV LQVNRLKSAQ CGSSIIYHCK HKL

#### **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.

