

# Biotinylated Human NKG2C/CD159c Protein

Cat. No. NKG-HM42CB

## Description

<b>Source</b>	Recombinant Biotinylated Human NKG2C/CD159c Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Glu98-Leu231.
<b>Accession</b>	P26717
<b>Molecular Weight</b>	The protein has a predicted MW of 15.3 kDa. Due to glycosylation, the protein migrates to 35-55 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

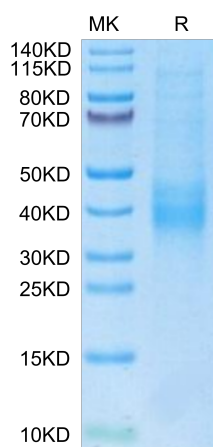
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

As a first line of defense, natural killer (NK) cells play a crucial role in the fight against infections. The presented study is the first of its kind that ascribes CD56dimCD16 NKG2C-expressing NK cells a crucial role in biasing adaptive immune responses upon influenza vaccination and suggests NKG2C as a potential biomarker in predicting pandemic influenza vaccine responsiveness.

## Assay Data

### Bis-Tris PAGE



Biotinylated Human NKG2C on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.