

# Recombinant human Siglec-9 protein

Catalog Number: ATGP3622

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

18-348aa

### UniProt No.

Q9Y336

### NCBI Accession No.

NP\_001185487

### Alternative Names

Sialic acid-binding Ig-like lectin 9 isoform 1, SIGLEC9, CD329, CDw329, FOAP-9, OBBP-LIKE

## PRODUCT SPECIFICATION

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### Molecular Weight

63.3 kDa (573aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

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

### Purity

> 95% by SDS-PAGE

### Endotoxin level

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

### Tag

hIgG-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

SIGLEC9, also known as sialic acid-binding Ig-like lectin 9 isoform 1, is a novel member of the sialic acid-binding Ig-like lectin (Siglec) family, which belongs to the immunoglobulin superfamily (IgSF) expressed broadly on human blood leukocytes. It has a high-level expression in bone marrow, placenta, spleen, and fetal liver. It is a member of the recently characterized CD33-related Siglec family of sialic acid binding protein and is expressed

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on human monocytes and NK cells. Recombinant human SIGLEC9, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

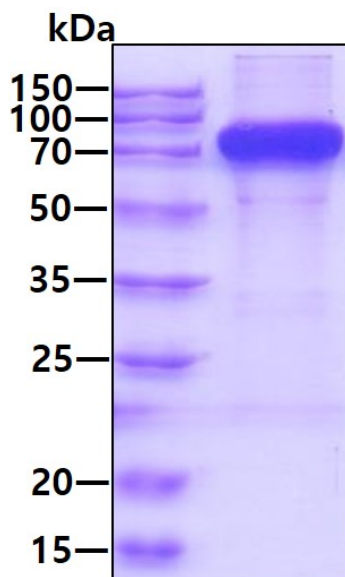
<ADP>QTSKLLT MQSSVTVQEG LCVHVPCSFS YPSHGWIYPG PVVHGYWFRE GANTDQDAPV ATNNPARAVW  
EETRDRFHLL GDPHTKNCTL SIRDARRSDA GRYFFRMEKG SIKWNYKHHR LSVNVTALTH RPNILIPGTL ESGCPQNLTC  
SVPWACEQGT PPMISWIGTS VSPLDPSTTR SSVLTLIPQP QDHGTSLTCQ VTFPGASVTT NKTVHLNVSY PPQNLMTVF  
QGDGTVSTVL GNGSSLSLPE GQSLRLVCAV DAVDSNPPAR LLSWRGLTL CPSQPSNPGV LELPWVHLRD AAFTCRAQN  
PLGSQQVYLN VSLQSKATSG VTQG<LEPKSC DKTHTCPPCP APELLGGPSV> <FLFPPKPKDT> <LMISRTPEVT  
CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY> <RVVSVLTVLH> <QDWLNGKEYK CKVSNKALPA  
PIEKTISKAK GQPREPQVYT LPPSRDELTK> <NQVSLTCLVK> <GFYPSDIAVE WESNGQPENN YKTTTPVLDS  
DGSFFLYSKL TVDKSRWQQG> <NVFSCSVMHE> <ALHNHYTQKS LSLSPGKHHH HHH>

## General References

Avril T., et al. (2004) J Immunol. 173:6841-6849.  
Zhang JQ., et al. (2000) J Biol Chem. 275:22121-22126.

## DATA

### SDS-PAGE



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