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# Recombinant human Siglec-9 protein

Catalog Number: ATGP3622

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

18-348aa

#### **UniProt No.**

09Y336

#### **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**

# **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**

hlgG-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**

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 hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

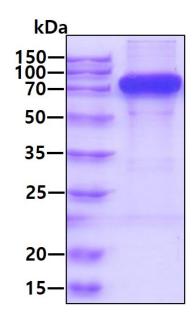
<ADP>QTSKLLT MQSSVTVQEG LCVHVPCSFS YPSHGWIYPG PVVHGYWFRE GANTDQDAPV ATNNPARAVW EETRDRFHLL GDPHTKNCTL SIRDARRSDA GRYFFRMEKG SIKWNYKHHR LSVNVTALTH RPNILIPGTL ESGCPQNLTC SVPWACEQGT PPMISWIGTS VSPLDPSTTR SSVLTLIPQP QDHGTSLTCQ VTFPGASVTT NKTVHLNVSY PPQNLTMTVF QGDGTVSTVL GNGSSLSLPE GQSLRLVCAV DAVDSNPPAR LSLSWRGLTL CPSQPSNPGV LELPWVHLRD AAEFTCRAQN PLGSQQVYLN VSLQSKATSG VTQG<LEPKSC DKTHTCPPCP APELLGGPSV> <FLFPPKPKDT> <LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY> <RVVSVLTVLH> <QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK> <NQVSLTCLVK> <GFYPSDIAVE WESNGQPENN YKTTPPVLDS 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**



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

