# NKMAXBIO We support you, we believe in your research

## Recombinant human Siglec-5 protein

Catalog Number: ATGP3601

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

17-441aa

#### UniProt No.

015389

#### **NCBI Accession No.**

NP 003821

#### **Alternative Names**

Sialic acid-binding Ig-like lectin 5, SIGLEC5, CD170, CD33L2, OB-BP2, OBBP2, SIGLEC-5

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

74.2 kDa (667aa)

#### Concentration

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

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### **Purity**

> 90% 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**

SIGLEC5, also known as sialic acid-binding Ig-like lectin 5, belongs to immunoglobulin superfamily and SIGLEC family. This protein is composed of 2 Ig-like C2-type domains and 1 Ig-like V-type domain. Also, it is expressed by monocytic/myeloid lineage cells. It is found at high levels in peripheral blood leukocytes, spleen, and at lower levels in lymph node, appendix, pancreas, lung, and thymus. Recombinant human SIGLEC5, fused to hIgG-His-



# NKMAXBio We support you, we believe in your research

## Recombinant human Siglec-5 protein

Catalog Number: ATGP3601

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

## **Amino acid Sequence**

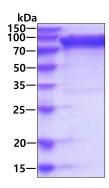
<ADL>EKPVYEL QVQKSVTVQE GLCVLVPCSF SYPWRSWYSS PPLYVYWFRD GEIPYYAEVV ATNNPDRRVK PETQGRFRLL GDVQKKNCSL SIGDARMEDT GSYFFRVERG RDVKYSYQQN KLNLEVTALI EKPDIHFLEP LESGRPTRLS CSLPGSCEAG PPLTFSWTGN ALSPLDPETT RSSELTLTPR PEDHGTNLTC QMKRQGAQVT TERTVQLNVS YAPQTITIFR NGIALEILQN TSYLPVLEGQ ALRLLCDAPS NPPAHLSWFQ GSPALNATPI SNTGILELRR VRSAEEGGFT CRAQHPLGFL QIFLNLSVYS LPQLLGPSCS WEAEGLHCRC SFRARPAPSL CWRLEEKPLE GNSSQGSFKV NSSSAGPWAN SSLILHGGLS SDLKVSCKAW NIYGSQSGSV LLLQGRSNLG TGVVPAAL<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH>

#### **General References**

Fong JJ., et al, (2015) EMBO J. 34:2775-2788. Ali SR., et al, (2014) J. Exp. Med. 211:1231-1242.

## **DATA**

#### **SDS-PAGE**



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

