

Recombinant human Siglec-5 protein

Catalog Number: ATGP3601

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-441aa

UniProt No.

O15389

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

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

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-

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

Amino acid Sequence

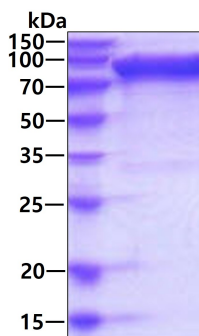
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PETQGRFRLG GDVQKKNCSL SIGDARMEDT GSYFFRVERG RDVKYSYQQN KLNLEVTALI EKPDHFLEP LESGRPTRLS
CSLPGSCEAG PPLTFSWTGN ALSPLDPETT RSELTLTTPR PEDHGTNLTC QMKRQGAQVT TERTVQLNVS YAPQTITIFR
NGIALEILQN TSYLPVLEGQ ALRLLCDAPS NPPAHLWFQ GSPALNATPI SNTGILELRR VRSAEEGGFT CRAQHPLGFL
QIFLNLSVYS LPQLLGPSCS WEAEGHLCRC SFRARPAPSL CWRLEEKPLE GNSSQGSFKV NSSSAGPWAN SSLILHGGLS
SDLKVSCKAW NIYGSQSGSV LLLQGRSNLG TGVVPAAL<LE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT
PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI
SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDGSFFL YSKLTVDKSR
WQQGNVFSCS VMHEALHNNHY 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.