Recombinant human DNAM-1/CD226 protein

Catalog Number: ATGP3475

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
19-247aa

UniProt No.
Q15762

NCBI Accession No.
NP_006557

Alternative Names
CD226 antigen isoform, CD226, DNAM-1, DNAM1, PTA1, TLiSA1

PRODUCT SPECIFICATION

Molecular Weight
53.2 kDa (471aa)

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

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

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
CD226, also known as CD226 antigen isoform, is a member of the immunoglobulin superfamily containing 2 Ig-like domains of the V-set. It is an activating receptor expressed on NK cells and T cells and plays an important role in cytotoxicity of these cells against target cells. It mediates platelet and megakaryocytic cell adhesion to vascular endothelial cells. Recombinant human CD226, fused to hIgG-His-tag at C-terminus, was expressed in

insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

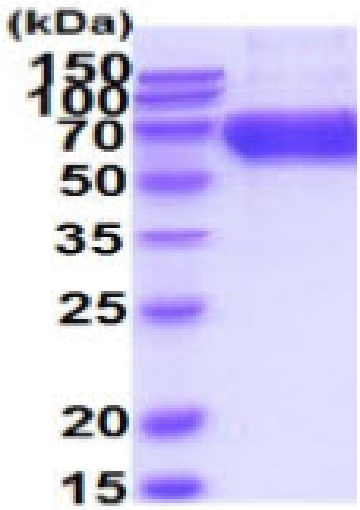
ADPEEVLWHT SVPFAENMSL ECVYPSMGIL TQVEWFKIGT QQDSIAIFSP THGMVIRKPY AERVYFLNST MASNNMTLFF RNASEDDVGY YSCSLYTYPQ GTWQKVIQVV QSDSFEAAVP SNSHIVSEPG KNVTLTCQPQ MTWPVQAVRW EKIQPRQIDL LTYCNLVHGR NFTSKFPRQI VSNCSHGRWS VIVIPDVTVS DSGLYRCYLQ ASAGENETFV MRLTVAEGKT DNLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H

General References

Vo AV., et al. (2016) Mol Immunol. 69:70-76.
Kojima H., et al. (2003) J Biol Chem. 278:36748-36753.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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