

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, TLIISA1

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

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insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPEEVLWHT SVPFAENMSL ECVYPSMGIL TQVEWFKIGT QQDSIAIFSP THGMVIRKPY AERVYFLNST MASNNMTLFF
RNASEDDVGY YSCSLYTPQ GTWQKVIQVV QSDSFEEAVP SNSHIVSEPG KNVTLTCQPQ MTWPVQAVRW EKIQRQIDL
LTYCNLVHGR NFTSKFPRQI VSNCSHGRWS VVIPDVTVS DSGLYRCYLQ ASAGENETFV MRLTVAEGKT DNLEPKSCDK
THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV
VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLV PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE
SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCVMHEAL HNHYTQKSLS LSPGKHHHHH H

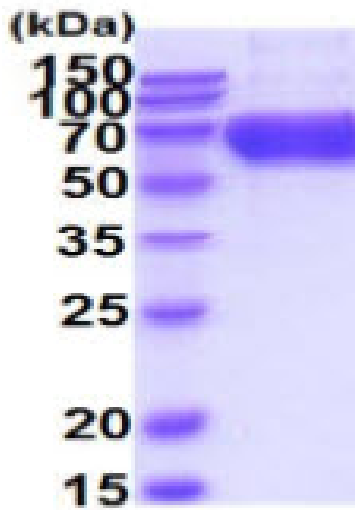
General References

Vo AV., et al. (2016) Mol Immunol. 69:70-76.

Kojima H., et al. (2003) J Biol Chem. 278:36748-36753.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)