

Recombinant Human Semaphorin 4D/CD100 protein ab97413

Description

Product name	Recombinant Human Semaphorin 4D/CD100 protein
Purity	> 95 % SDS-PAGE. Purity: Greater than 97% by SDS-PAGE gel and HPLC analyses. SDS-PAGE analysis run under non-reducing conditions shows a mixture of disulfide linked dimer and monomer.
Endotoxin level	< 0.100 Eu/μg
Expression system	CHO cells
Accession	<u>Q92854</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human

Sequence

FAPIPRITWE HREVHLVQFH EPDINYSAL LLSSEDKDTLY
 IGAREAVFAV NALNISEKQH EVYWKVSEDK
 KAKCAEKGKS KQTECLNYR VLQPLSATSL
 YVCGTNAFQP ACDHLNLTFS KFLGKNEDGK
 GRCPFDPAHS YTSVMVDGEL YSGTSYNFLG
 SEPIISRNSS HSPLRTEYAI PWLNEPSFVF ADVIRKSPDS
 PDGEDDRVYF FFTEVSVEYE FVFRVLIPRI
 ARVCKGDQGG LRTLQKKWTS FLKARLICSR
 PDSGLVFNVL RDVFVLRSPG LKVPVFYALF
 TPQLNNVGLS AVCAYNLSTA EEVFSHGKYM
 QSTTVEQSHT KWVRYNGPVP KPRPGACIDS
 EARAANYTSS LNLDPDKTLQF VKDHPLMDDS
 VTPIDNRPRIL IKKDVNYTQI VVDRTQALDG TVYDVMFVST
 DRGALHKAIS LEHAVHIEE TQLFQDFEPV QTLSSSKKG
 NRFVYAGSNS GVVQAPLAFK GKHGTCEDCV
 LARDPYCAWS PPTATCVALH QTESPSRGLI
 QEMSGDASVC PDKSKGSYRQ HFFKHGGTAE
 LKCSQKSNLA RVFWKFQNGV LKAESPKYGL
 MGRKNLLIFN LSEGDSGVYQ CLSEERVKNK
 TVFQVVAKHV LEVKVVPKPV VAPTLSVVQT
 EGSRIATKVL VASTQGSSPP TPAVQATSSG
 AITLPPKPAP TGTSCEPKV INTVQLHSE KTMYLKSSDN

Predicted molecular weight	79 kDa
Amino acids	24 to 734

Specifications

Our **Abpromise guarantee** covers the use of **ab97413** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized
Additional notes	This product was previously labelled as Semaphorin 4D. For lot specific reconstitution information please contact our Scientific Support Team.

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section. Constituent: 0.164% Sodium phosphate
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	May play a functional role in the immune system, as well as in the nervous system. Induces B-cells to aggregate and improves their viability in vitro.
Tissue specificity	Strongly expressed in skeletal muscle, peripheral blood lymphocytes, spleen, and thymus and also expressed at lower levels in testes, brain, kidney, small intestine, prostate, heart, placenta, lung and pancreas, but not in colon and liver.
Sequence similarities	Belongs to the semaphorin family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 PSI domain. Contains 1 Sema domain.
Cellular localization	Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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