

Recombinant Human Semaphorin 4D/CD100 protein ab192291

Description

Product name	Recombinant Human Semaphorin 4D/CD100 protein
Purity	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	<u>Q92854</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MAFAPIPRITWEHREVHLVQFHEPDIYNYSALLLSEDKDTL YIGAREAVF AVNALNISEKQHEVYWKVSEDKKAKCAEKGKSKQTECLN YIRVLQPLSAT SLYVCGTNAFQPACDHLNLTSEKFLGKNEDGKGRCPPDP AHSYTSVMVDG ELYSGTSYNFLGSEPIISRNSSHSPLRTEYAIPWLNESFVF ADVIRKSP DSPDGEDDRVYFFTEVSVEYEFVFRVLIPRIARVCKGDQ GGLRTLQKKW TSFLKARLICSRPDSGLVFNVLRDVFLRSPGLKVPVFYA LFTPQLNNVG LSAVCAYNLSTAEVFSHGKYMSTTVEQSHTKWVRYNG PVPKPRPGACI DSEARAANYTSSLNLPDKTLQFVKDHPLMDDSVTPIDNRP RLIKKDVNYT QMVDRTQALDGTVDVMFVSTDRGALHKAISLEHAVHIIIE TQLFQDFE PVQTLILLSSKKGNRFVYAGSNSGVVQAPLAFCGKHGTCE DCVLARDPYCA WSPPTATCVALHQTESPSRGLIQEMSGDASVCPDKSKG SYRQHFFKHGGT AELKCSQKSNLARVFWKFQNDVLKAESPKYGLMGRKNLL</p>

IFNLSEGD SGV
YQCLSEERVKNKTVFQVVAKHVLEVKVVVPKPVVAPTLSV
VQTEGSRIATK
VLVASTQGSSPPTPAVQATSSGAITLPPKPAPTGTSCPEKI
VINTVQLH SEKTMYLKSSDNRVDHHHHHH

Predicted molecular weight	80 kDa including tags
Amino acids	22 to 734
Tags	His tag C-Terminus
Additional sequence information	Extracellular domain.

Specifications

Our **Abpromise guarantee** covers the use of **ab192291** 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

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Reconstitute for long term storage. pH: 7.4
Reconstitution	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors