

Recombinant Human Semaphorin 3c protein ab153780

Description

Product name	Recombinant Human Semaphorin 3c protein
Purity	> 95 % SDS-PAGE. ab153780 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It is lyophilized from an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<u>Q99985</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GSSQPQARVYLTFDELRETKTSEYFSLSHHPLDYRILLMDE DQDRIVGS KDHILSLNINNISQEALSVFWPASTIKVEECKMAGKDPTHG CGNFVRVIQ TFNRTHLYVCGSGAFSPVCTYLNRRGRRSEDQVFMIDSKC ESGKGRCSEFNP NVNTVSVMINEELFSGMYIDFMGTDAIFRSLTKRNAVRTD QHNSKWLSE PMFVDAHVIPDGTDPNDAKVYFFFKEKLTNNRSTKQIHS MIARICPNDT GGLRSLVNKWTTFLKARLVCSVTDEDGPETHFDELEDVF LLETDPRTTL VYGIFTTSSSVFKGSAVCVYHLSDIQTVFNGPFAHKEGPN HQLISYQGRI PYPRPGTCPGGAFTPNMRTTKEFPDDVVFIRNHPLMYNS YPIHKRPLI VRIGTDYKYTKIADRVAADGRYHVLFLGTDRGTQKVVV LPTNNSVSG ELILEELEVFKNHAPITTMKISSKKQQLYSSNEGVSQVSL HRCHYGTA CADCCLARDPYCAWDGHSCSRFYPTGKRRSRRQDVRH GNPLTQCRGFNLK AYRNAAEIVQYGVKNNTTFLECAPKSPQASIKWLLQKDKD RRKEVKLNER

IIATSQGLLIRSVQGSDDQGLYHCIATENSKQTIKINFKVLD
SEMVAVV
TDKWSPWTWASSVRALPFHPKDIMGAFSHSEMQMINKY
CKDTRQQHQQGD ESQKMRGDYGLKALINSVDHHHHHH

Predicted molecular weight	82 kDa including tags
Amino acids	21 to 738
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab153780** 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

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 long term.

pH: 7.40

Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

General Info

Function	Binds to plexin family members and plays an important role in the regulation of developmental processes. Required for normal cardiovascular development during embryogenesis. Functions as attractant for growing axons, and thereby plays an important role in axon growth and axon guidance.
Tissue specificity	Expressed intensely in the heart, skeletal muscle, colon, small intestine, ovary, testis, and prostate. Faint expression ubiquitously among other organs, including brain.
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	Secreted.

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