9051 Mira Mesa Blvd, #910094
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# SEMA3C Human

*Semaphorin 3C Human Recombinant*
*RCP2022*

## Product Overview

| | |
|---|---|
| Name | SEMA3C Human |
| **Description** | |
| Semaphorin 3C Human Recombinant | |
| Accession (Primary) | Q99985 |
| **Synonyms** | |
| Semaphorin 3C ,Semaphorin-3C, Semaphorin-3C isoform2, SEMA3C, Semaphorin-E, SEMAE, Sema E, SemE, SEME, Semaphorin E | |
| **Introduction** | |
| SEMA3C, also known as Semaphorin 3C, is a member of the semaphorin family 3 that are grouped into 8 major classes based on phylogenetic tree analyses and structure. Class 3 have an important function after traumatic central nervous system injuries. SEMA3C regulates neuronal and non-neuronal cells associated with the traumatic injury due to their presence in the scar tissue. SEMA3C is expressed in all somatic motor neurons, in cardiac neural crest cells during development and in lung buds. The SEMA3C functions are mediated through binding to the Plexin-D1 and Neuropilin 1 or Neuropilin 2 coreceptor complex. SEMA3C activates integrins in certain cells, so besides its repulsive activities, it also acts as a chemoattractant. | |
| **Source** | |
| HEK293 Cells. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| The SEMA3C solution (1mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4). | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| GSSQPQARVY LTFDELRETK TSEYFSLSHH PLDYRILLMD EDQDRIYVGS KDHILSLNIN NISQEALSVF | |

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WPASTIKVEE CKMAGKDPTH GCGNFVRVIQ TFNRTHLYVC GSGAFSPVCT YLNRGRRSED QVFMIDSKCE SGKGRCSFNP NVNTVSVMIN EELFSGMYID FMGTDAAIFR SLTKRNAVRT DQHNSKWLSE PMFVDAHVIP DGTDPNDAKV YFFFKEKLTD NNRSTKQIHS MIARICPNDT GGLRSLVNKW TTFLKARLVC SVTDEDGPET HFDELEDVFL LETDNPRTTL VYGIFTTSSS VFKGSAVCVY HLSDIQTVFN GPFAHKEGPN HQLISYQGRI PYPRPGTCPG GAFTPNMRTT KEFPDDVVTF IRNHPLMYNS IYPIHKRPLI VRIGTDYKYT KIAVDRVNAA DGRYHVLFLG TDRGTVQKVV VLPTNNSVSG ELILEELEVF KNHAPITTMK ISSKKQQLYV SSNEGVSQVS LHRCHIYGTA CADCCLARDP YCAWDGHSCS RFYPTGKRRS AAQDVRHGNP LTQCRGFNLK AYRNAAEIVQ YGVKNNTTFL ECAPKSPQAS IKWLLQKDKD AAKEVKLNER IIATSQGLLI RSVQGSDQGL YHCIATENSF KQTIAKINFK VLDSEMVAVV TDKWSPWTWA SSVRALPFHP KDIMGAFSHS EMQMINQYCK DTRQQHQQGD ESQKMRGDYG KLKALINS LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG K

**Precautions**

SEMA3C Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q99985 )