

## 32-13795: SEMA3C Human

**Format :** The SEMA3C solution (1mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).  
**Alternative Name :** Semaphorin 3C ,Semaphorin-3C, Semaphorin-3C isoform2, SEMA3C, Semaphorin-E, SEMAE, Sema E, SemE, SEME, Semaphorin E

### Description

Source:HEK293 Cells.

Physical Appearance: Sterile Filtered colorless solution.

Biological Activity: null

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.

SEMA3C Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (21-738 a.a) containing a total of 951 amino acids, having a molecular mass of 107.2kDa. SEMA3C is fused to a 233 amino acid hIgG-Tag at C-terminus, and is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 2 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Storage condition :** 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.  
**Amino Acid :** GSSQPQARVY LTFDELRETK TSEYFSLSHH PLDYRILLMD EDQDRIYVGS KDHILSLNIN NISQEALSVF WPASTIKVEE CKMAGKDPH GCGNFVRVIQ TFNRTHLVC GSGAFSPVCT YLNRGRSED QVFMIDSKCE SGKGRCSFNP NVNTVSVMIN EELFSGMYID FMGTDAAIFR SLTKRNAVRT DQHNSKWLSE PMFVDAHVIP DGTDPNDAKV YFFFKEKLT DNRSTKQIHS MIARICPNDT GGLRSLVNKW TTFLKARLVC SVTDEDGPET HFDELEDVFL LETDNPRTTL VYGIFTTSSS VFKGSAVCVY HLSDIQTVFN GPFAHKEGPN HQLISYQGRI PYPRPGTCPG GAFTPNMRTT KEFPDDVVTF IRNHPLMYS IYPIHKRPLI VRIGTDYKYT KIAVDRVNAA DGRYHVLFLG TDRGTVQKVV VLPTNNSVSG ELILEELEVFN KNHAPITTMK ISSKKQQLYV SSNEGVSQVS LHRCHYGTGTA CADCCCLARDP YCAWDGHSCS RFYPTGKRRS AAQDVRHGNP LTQCRGFNLK AYRNAAEIVQ YGVKNNTTFL ECAPKSPQAS IKWLLQKDKD AAKEVKLNER IIATSQGLLI RSVQGSQGL YHCIATENSF KQTIKINFK VLDSEMVAVV TDKWSPWTWA SSVRALPFHP KDIMGAFSHS EMQMINQYCK DTRQQHQGD ESQKMRGDYG KALKALINSLE PKSCDKTHTC PPCPAPELLG GPSVFLFPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDSFFL YSKLTVDKSR WQQGNVFCSS VMHEALHNHY TQKSLSLSPG K