

## 32-8542: Recombinant Mouse Semaphorin 4C/SEMA4C (C-Fc)(Discontinued)

**Gene :** Sema4c  
**Gene ID :** 20353  
**Uniprot ID :** Q64151

### Description

Source: Human Cells.  
MW :99.3kD.

Recombinant Mouse Semaphorin 4C is produced by our Mammalian expression system and the target gene encoding Ala21-Gly664 is expressed with a Fc tag at the C-terminus. Semaphorin-4C is a protein which belongs to the semaphorin family, contains 1 Ig-like C2-type domain, 1 PSI domain, 1 Sema domain. As cell surface receptor for PLXNB2, it plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. It required for normal brain development, axon guidance and cell migration, Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AEMWWNLVPRKTVSSGELVTVVRRFSQTGIQDFLTLTEHSGLLYVGAREALFAFSVEALELQGAISWEAPAE KKIECTQKGSNQTECFNFIRFLQPYNSSHLYVCGTYAFQPKCTYINMLTFLDRAEFEDGKGCYPYDPAKGHTG LLVDGELYSATLNNFLGTEPVILRYMGTHHSIKTEYLAFWLNPHFVGSFAFPESVGSFTGDDDKIYFFSERAVE YDCYSEQVVARVARVCKGDMGGARTLQKKWTTFLKARLVCSAPDWKVFYFNQLKAVHTLRGASWHNTTFFGV FQARWGDMDLSAVCEYQLEQIQVFEQPYKEYSEQAQKWARYTDPVPSRPGSCINNWHRDNGYTSSLELPD NTLNFIKHPMEDQVKPRLGRPLLKNTNFTHVVADRVPLDGTATYVLFITGTDGWLLKAVSLGPWIHMV EELQVFDQEPVESLVSQSKKVLFAQSRSQVLSLADCTKYRFCVDCVLARDPYCAWNVNTSRVATTSGRS GSFLVQHVANLDTSKMCNQYGIKVRISIPKNITVVSGLDVLVPCHLSSNLAHAHWTFGSQDLPAEQPGSFLYDT GLQALVMAAQRHSGPYRCYSEEQTRLAESYLVAVVAGSSVTLEARAPLENLGVDDIEGRMDPEPKSCKT HTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKG FYPDSIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLS PGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.