

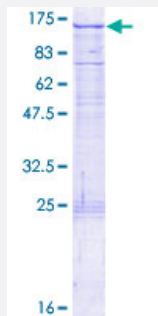
Full-Length

SEMA6C (Human) Recombinant Protein (P01)

Catalog # H00010500-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SEMA6C full-length ORF (NP_112175.2, 1 a.a. - 930 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPRAPHFMPLLLLLLLLSLPHTQAAFPQDPLPLLISDLQGTSPLSWFRGLEDDAVAAELGLDFQR
FLTLNRTLLVAARDHVFSFDLQAEEEGEGLVPNKYLTWRSQDVENCAVRGKLTDECYNIRVLVP
WDSQTLACGTNSFSPVCRSYGITSLQQEGEELSGQARCPFDATQSNVAIFAEGSLYSATAADFQ
ASDAVVYRSLGPQPPLRSAKYDSKWLREPHFVQALEHGDHVFYFFREVSVEDARLGRVQFSRV
ARVCKRDMGGSPRALDRHWTSFLKLRLNCSVPGDSTFYFDVLQALTGPVNLHGRSALFGVFTTQ
TNSIPGSAVCAFYLDEIERGFEGKFKEQRLDGAWTPVSEDRVPSPRPGSCAGVGGAALFSSSR
DLPDDVLTFIKAHPLDPAVPPVTHQPLLTLTSRALLTQVAVDGMAGPHSNITVMFLGSNDGTVLK
VLTPGGRSGGPEPILLEEIDAYSPARCSGKRTAQTARRIIGLELDTEGHRLFVAFSGCIVYPLSRCA
RHGACQRSCLASQDPYCGWHSSRGCVDIRGSGGTDVDQAGNQESMEHGDCQDGATGSQSGP
GDSAYGVRRDLPPASASRSVPIPLLLASVAAAFALGASVSGLLVSCACRRARRRRGKDIETPLP
RPLSLRSLARLHGGGPEPPPPSKDGDVQTPQLYTTFLPPEGVPPPELACLPTPESTPELPVK
HLRAAGDPWEWNQNRNNAKEGPRSRGGAAGGPAPRVLVRPPPPGCPGQAVEVTTLEELLR
YLHGPQPPRKGAEPAPLTSRALPPEPAPALLGGPSRPHECASPLRLDVPPEGRCASAPARP
ALSAPAPRLGVGGGRRLPFSGHRAPPALLTRVPSGGPSRYSGGPGKHLLYLGRPEGYRGRALKR
VDVEKPQLSLKPPLVGPSSRQAVPNGGRFNF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

126.1

Interspecies Antigen Sequence

Mouse (84); Rat (85)

Preparation Method[in vitro wheat germ expression system](#)**Purification**

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SEMA6C

Entrez GeneID[10500](#)**GeneBank Accession#**[NM_030913.3](#)**Protein Accession#**[NP_112175.2](#)**Gene Name**

SEMA6C

Gene Alias

SEMAY, m-SemaY, m-SemaY2

Gene Description

sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C

Omim ID[609294](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene product is a member of the semaphorin family of proteins. Semaphorins represent important molecular signals controlling multiple aspects of the cellular response that follows CNS injury, and thus may play an important role in neural regeneration. [provided by RefSeq]

Other Designations

OTTHUMP00000014154|OTTHUMP00000014157|semaphorin Y

Pathway

- [Axon guidance](#)

Disease

- [Dominance](#)
- [Schizophrenia](#)