

Recombinant Human SEMA3B Protein Product Manual

1. Product Basic Information

Product No.: REP08189

Protein Name: Luca-Sema A(V) (SEMA3B)

Aliases: SemA; SEMA5; SEMAA; semaV; LUCA-sema A(V); semaphorin semaphorin-semaphorin 3B; semaphorin-3B

UniProt ID: Q13214

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13214/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (25-749aa)

Molecular Weight: 85.0 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (25-749aa)

APSPRLRLSFQELQAWHGLQTFSLERTCCYQALLVDEERGRLFVGAENHVASLNL
DNISKRAKKLAWPAPVEWREECNWAGKDIGTECMNFVKLLHAYNRTHLLACGTGA
FHPTCAFVEVGHRAEEPVLRLDPGRIEDGKGKSPYDPRHRAASVLVGEELYSGVAA
DLMGRDFTIFRSLGQRPSLRTEPHDSRWLNPKFVKVFWIPESNPDDDKIYFFFR
ETAVEAAPALGRLSVSRVGQICRNDVGGQRSLVKNWTTFLKARLVCSVPGVEGDT
HFDQLQDVFLLSSRDHRTPLLYAVFSTSSSIFQGSAVCVYSMNDVRRRAFLGPF
EGPMHQWVSYQGRVPYPRPGMCPSKTFGTFSSTKDFPDDVIQFARNHPLMYNSV
LPTGGRPLFLQVGANYTFTQIAADRVAADGHYDVLFIGTDVGTVLKVISVPKGSRP
SAEGLLLEELHVFEDSAAVTSMQISSKRHQLYVASRSAVAQIALHRCAAHGRVCTE
CCLARDPYCAWDGVACTRFPQSAKRRFRRQDVRNGDPSTLCSGDSSRPALLEHK
VFGVEGSSAFLECEPRSLQARVEWTFQRAGVTAHTQVLAEERTERTARGLLRLR
RRRDSGVYLCAAVEQGFTQPLRRLSLHVLSATQAERLARAEAAAPAAPPKPLWY
RDFLQLVEPGGGGSANSLRMCRPQPALQSLPLESRRKGRNRRTHAPEPRAERGP
RSATHW

3. Storage Buffer



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human SEMA3B full length of mature protein protein (25-749aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SEMA3B, also known as SemA or SEMA5 or SEMAA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.