



Recombinant Mouse Semaphorin-3B (Sema3b)

Product Code	CSB-EP737070MO-B
Abbreviation	Sema3b
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q62177
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	PNLPR LRLSFQELQA RHGVRTFRLE RTCCYEALLV DEERGRLFVG AENHVASLSL DNISKRAKKL AWPAPVEWRE ECNWAGKDIG TECMNFVKLL HTYNHHTLLA CGTGAFHPTC ALWRWATAGG THASTGPEKL EDGKGKTPYD PRHRAASVLV GEELYSGVTA DLMGRDFTIF RSLGQNP SLR TEPHDSRWLN EPKFVKVFWI PESENPD DDK IYFFFRESAV EAAPAMGRMS VSRVGQICRN DLGGQRSLVN KWTTFLKARL VCSVPGVEGD THFDQLQDVF LLSSRDRQTP LLYAVFSTSS GVFQGSVAVCV YSMNDVRRAF LGPFAHKEGP THQWVSYQGR VPYPRPGMCP SKTFGTFSST KDFPDDVIQF ARNHPLMYPN VLPMGGRPLF LQVGAGYTFT QIAADRVA A A DGHYDVLFIG TDVGTVLKVI SVPKGSRPNS EGLLLEELQV FEDSAAITSM QISSKRQQLY IASRSAVAQI ALHRCTALGR ACAECCLARD PYCAWDGSAC TRFQPTAKRR FRRQDIRNGD PSTLCSGDSS HSVLLEKKVL GVESGSFALE CEPRSLQAHV QWTFQGAGEA AHTQVLA EER VERTARGLLL RGLRRQDSGV YLCVAVEQGF SQPLRRLVLH VLSAAQAERL ARAEAAAAPA PPGPKLWYRD FLQLVEPGGG GGANSLRMCR PQPGHHSVAA DSRRKGRNRR MHVSELRAER GPRSAAHW
Source	E.coli
Target Names	Sema3b
Protein Names	Recommended name: Semaphorin-3B Alternative name(s): Semaphorin-A Short name= Sema A
Expression Region	26-748
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The semaphorin/collapsin family of molecules plays a critical role in the guidance of growth cones during neuronal development. The secreted protein encoded by this gene family member is important in axonal guidance and has been shown to act as a tumor suppressor by inducing apoptosis.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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