



Recombinant Mouse Neurofilament light polypeptide (Nefl)

Product Code	CSB-EP015688MO-B
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.	P08551
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SSFGYDPYFSTSYKRRYVETPRVHISSVRSGYSTARSAYSSYSAPVSSSLSVR RSYSSSSGSLMPLENLDLSQVA AISNDLKSIRTQEKAQLQDLNDRFASFIERV HELEQQNKVLEAELLVLRQKHSEPSRFRALYEQEIRDLRLAAEDATNEKQALQ GEREGLEETLRNLQARYEEEEVLSREDAEGRLMEARKGADEAALARAELEKRID SLMDEIAFLKKVHEEEIAELQAQIQYAQISVEMDVSSKPDLSAALKDIRAQYEKL AAKNMQNAEEWFKSRFTVLTESAAKNTDAVRAAKDEVSESRLLKAKTLEIEA CRGMNEALEKQLQELEDKQNADISAMQDTINKLENELRSTKSEMARYLKEYQ DLLNVKMALDIEIAAYRKLLEGEETRLSFTSVGSITSGYSQSSQVFGRSAYSGL QSSSYLMSARSPAYYTSHVQEEQTEVEETIEATKAEAAKDEPPSEGEAEAAAA KEKEEGEEEEGAEEEEAAKDESEDTKEEEEGGEGEEEDTKESEEEEEKKEESA GEEQVAKKKD
Source	E.coli
Target Names	Nefl
Protein Names	Recommended name: Neurofilament light polypeptide Short name= NF-L Alternative name(s): 68 kDa neurofilament protein Neurofilament triplet L protein
Expression Region	2-543aa
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	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.



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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