



Recombinant Pig Neurofilament heavy polypeptide (NEFH)

Product Code	CSB-EP015686PI
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P12037
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	≥85% (SDS-PAGE)
Sequence	MRGAVLRLGA ARGQLRLEQE HLLEDIAHVR QRLDDEARQR QEAEAAAARAL ARFAQEAEAA RVELQKKAQA LQEECGYLRR HHQEEAQAEA RDALKCDVTS ALREIRAQLE GHAVQSTLQQ EEWFRVRLDR LSEAAKVNTD AM
Source	E.coli
Target Names	NEFH
Protein Names	Recommended name: Neurofilament heavy polypeptide Short name= NF-H Alternative name(s): 200 kDa neurofilament protein Neurofilament triplet H protein
Expression Region	1-142
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 protein
Target Details	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene.
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	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.