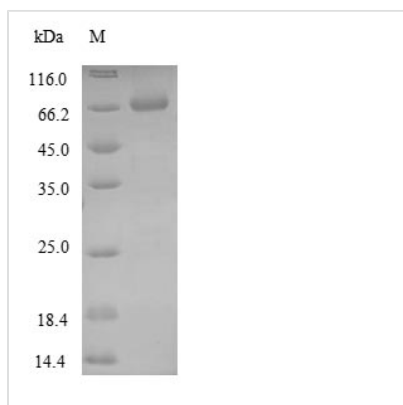




Recombinant Danio rerio Glial fibrillary acidic protein (gfap)

Product Code	CSB-EP009369DIL
Abbreviation	Recombinant Zebrafish gfap protein
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.	Q58EE9
Product Type	Recombinant Protein
Immunogen Species	Danio rerio (Zebrafish) (Brachydanio rerio)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MESQRSFSSYRKRFGTPGGSPSVGVTSRHSTGRLSLHSSPRHLTSSPLTLST SRLSLGGERLDFSADSLKKAQYRETRTNEKVEMMGLNDRFASYIEKVRFLEQQ NKMLVAELNQLRGKEPSRLGDIYQEELRELRRQVDGLNAGKARLEIERDNLAS DLGTLKQRLQDETALRQEAENNLNTRQDVDEAALNRVQLERKIEALQDEINFL KKVHEEEMRELHEQLMAQQVHVDLDVSKPDLTAALKEIRAQFEAMANSNMQE TEEWYRSKFADLTDAANRNGEALRQAKQEANDYRRQIQGLTCDLESRLGSNE SLERQLREMEERFAIETAGYQDVARLEDEIQMLKEEMARHLQEYQDLLNVKL ALDIEIATYRKLLERGEESRITVPVQNFTNLQFRDTSMDTKLTPEAHVKRSIVVRT VETRDGEIIKESTTERKDLP
Research Area	Neuroscience
Source	E.coli
Target Names	gfap
Protein Names	Recommended name: Glial fibrillary acidic protein Short name= GFAP
Expression Region	1-444aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	71.2kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene responsible for the Danio rerio (Zebrafish) gfap protein (1-444aa) is incorporated into a plasmid vector, forming recombinant plasmid. The resulting recombinant plasmid is introduced into e.coli cells, from which cells survive in the presence of a specific antibiotic are selected. The selected e.coli cells containing the recombinant plasmid are cultured under conditions that facilitate the expression of the gene of interest. A N-terminal 10xHis-SUMO tag and C-terminal Myc tag is linked to the protein. After expression, affinity purification is used to isolate and purify the recombinant Danio rerio (Zebrafish) gfap protein from the cell lysate. Denaturing SDS-PAGE is employed to resolve the resulting recombinant Danio rerio (Zebrafish) gfap protein, revealing a purity greater than 85%.

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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