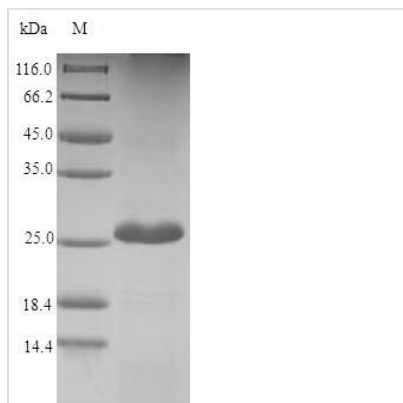




Recombinant Dendroaspis angusticeps Fasciculin-2 (Fas-2)

Product Code	CSB-EP314272DBG
Relevance	Interferes with neuromuscular transmission by inhibiting the enzyme acetylcholinesterase (AChE) present at the neuromuscular junction. It selectively binds and inhibits with a 1:1 stoichiometry the mammalian and electric fish AChE at picomolar concentrations. It is highly specific for the peripheral site of AChE and blocks the entry of acetylcholine into the active site of the enzyme (through the Met-33 residue), thereby preventing its breakdown. It has been called fasciculin since after injection into mice it causes severe, generalized and long-lasting (5-7 hours) fasciculations.
Abbreviation	Recombinant Dendroaspis angusticeps Fas-2 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.	P0C1Z0
Alias	Short name:Fas-2 Short name:Fas2 Alternative name(s): Acetylcholinesterase toxin F-VII Fasciculin-II Short name:FAS-II Toxin TA1
Product Type	Recombinant Protein
Immunogen Species	Dendroaspis angusticeps (Eastern green mamba) (Naja angusticeps)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TMCYSHTTTSRAILTNCGENSCYRKSRRHPPKMVLGRGCGCPPGDDNLEVKCCTSPDKCNY
Research Area	Others
Source	E.coli
Protein Names	Recommended name: Fasciculin-2 Short name= Fas-2 Short name= Fas2 Alternative name(s): Acetylcholinesterase toxin F-VII Fasciculin-II Short name= FAS-II Toxin TA1
Expression Region	1-61aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	22.8kDa
Protein Length	Full Length
Image	



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

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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