Recombinant SYN2 protein (His tag)

Catalog Number	547869
Synonyms	Synapsin II
Species	Human
Expression System	E. coli
Accession	Q92777
Molecular Weight	Predictes a molecular mass of 36.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	112-420
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 112-420 aa (Q92777) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Synapsin-2 (SYN2) Fragment (aa 112-420) is a high-quality protein product designed for neuroscience and cell biology research. This 309-amino acid fragment offers a stable and soluble unit ideal for structural studies, biochemical assays, and functional investigations into synaptic vesicle regulation and neurotransmitter release. Synapsin-2 (Synapsin II), encoded by the SYN2 gene in humans, is a neuronal phosphoprotein that coats synaptic vesicles and interacts with the cytoskeleton. It plays a critical role in modulating neurotransmitter release and may be involved in noradrenaline secretion by sympathetic neurons. Located at the synapse, Synapsin-2 contributes to the regulation of synaptic function and vesicle dynamics, making it a key protein for understanding neuronal communication and related disorders.