Recombinant INY2B protein (His tag)

Catalog Number	551632
Synonyms	Inhibitory synaptic factor family member 2B
Species	Human
Expression System	E. coli
Accession	A6NMK8
Molecular Weight	Predictes a molecular mass of 12.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	405-495
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 405-495 aa (A6NMK8) 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 INSYN2B Fragment (405-495) is a 91-amino acid protein fragment designed for structural and biochemical studies. This fragment represents a stable, soluble unit of the inhibitory synaptic factor family member 2B (INSYN2B), computationally selected to facilitate research into synaptic function and neuronal signaling pathways. INSYN2B (Inhibitory synaptic factor family member 2B) is a human protein belonging to the inhibitory synaptic factor family. While specific functional and subcellular localization data are not fully characterized in the provided information, proteins in this family are typically involved in the regulation and function of inhibitory synapses in the nervous system. The recombinant fragment (amino acids 405-495) was selected based on structural predictions to provide a stable, soluble unit suitable for experimental analysis, enabling researchers to investigate the molecular properties and potential interactions of this synaptic protein.