Recombinant APBA3 protein (His tag)

Catalog Number	539649
Synonyms	Adapter protein X11gamma; Neuron-specific X11L2 protein; Neuronal Munc18-1-interacting protein 3; Mint-3
Species	Human
Expression System	E. coli
Accession	O96018
Molecular Weight	Predictes a molecular mass of 21.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	393-575
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 393-575 aa (O96018) 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	This recombinant protein is a 183-amino acid fragment (residues 393-575) of the human Amyloid-beta A4 precursor protein-binding family A member 3 (APBA3), encompassing its PDZ 1 and PDZ 2 domains. It serves as an essential tool for investigating domain-specific interactions in amyloid-beta precursor protein processing and HIF1A regulation. The full-length APBA3 protein, also known as Adapter protein X11gamma or Mint-3, is implicated in modulating the processing of the amyloid-beta precursor protein (APP), thereby influencing APP-beta formation. Additionally, it may enhance HIF1A activity in macrophages by inhibiting HIF1AN. APBA3 is localized in the perinuclear region of the cytoplasm, underscoring its role in intracellular signaling and protein trafficking pathways relevant to neurological and cellular regulation studies.