Recombinant APBB3 protein (His tag)

Catalog Number	541933
Synonyms	Protein Fe65-like 2; Fe65L2
Species	Human
Expression System	E. coli
Accession	O95704
Molecular Weight	Predictes a molecular mass of 16.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	116-252
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 116-252 aa (O95704) 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 APBB3 (Fe65L2) Fragment (116-252) - A high-quality, stable protein fragment of Amyloid-beta A4 precursor protein-binding family B member 3, specifically designed for structural and biochemical studies investigating amyloid-beta precursor protein modulation pathways. The full-length Amyloid-beta A4 precursor protein-binding family B member 3 (APBB3), also known as Protein Fe65-like 2, functions as a modulator of amyloid-beta precursor protein internalization. This protein demonstrates dual subcellular localization, being present in both the cytoplasm and nucleus, with specific isoforms (I-214 and I-245) showing nuclear localization. The protein's involvement in amyloid-beta precursor protein pathways makes it significant for research in neurodegenerative diseases and cellular protein trafficking mechanisms.