Recombinant FA81A protein (His tag)

Catalog Number	549598
Species	Human
Expression System	E. coli
Accession	Q8TBF8
Molecular Weight	Predictes a molecular mass of 40.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	34-368
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 34-368 aa (Q8TBF8) 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 FAM81A Protein Fragment (aa 34-368) - a highly stable and soluble construct designed for structural and biochemical studies of postsynaptic density assembly mechanisms. Protein FAM81A plays a critical role in neuronal function by facilitating protein interactions within the postsynaptic density through liquid-liquid phase separation, promoting the condensation of postsynaptic proteins. This protein is essential for neuronal activity and its accumulation at the postsynaptic density leads to enlargement of dendritic spines. FAM81A is localized to both the postsynaptic density and cytoplasm, highlighting its importance in synaptic organization and neuronal signaling pathways.