Recombinant MYBPP protein (His tag)

Catalog Number	540822
Synonyms	AMAM-1; AMY-1-binding protein 1; AMAP-1
Species	Human
Expression System	E. coli
Accession	Q8TBZ2
Molecular Weight	Predictes a molecular mass of 26.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	441-655
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 441-655 aa (Q8TBZ2) 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 MYCBPAP Fragment (aa 441-655): A high-quality, soluble protein fragment derived from the MYCBP-associated protein (AMAM-1), designed for structural and biochemical studies. This 215-amino acid fragment offers a stable and functional unit ideal for investigating spermatogenesis and synaptic processes. The full-length MYCBPAP protein, encoded by the MYCBPAP gene in Homo sapiens, plays a role in spermatogenesis and may be involved in synaptic processes, as supported by experimental evidence. It localizes primarily to the cytoplasm and, in some contexts, to the membrane, where it colocalizes with MYCBP. This fragment (residues 441-655) was selected for its predicted stability and solubility, enabling focused research on the protein's functional domains and interactions without the complexities of the full-length protein.