Recombinant ACTT3 protein (His tag)

Catalog Number	550757
Synonyms	ARP-T3; Actin-related protein M1
Species	Human
Expression System	E. coli
Accession	Q9BYD9
Molecular Weight	Predictes a molecular mass of 42.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	1-372
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 1-372 aa (Q9BYD9) 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 Actin-related protein T3 (ARP-T3) fragment (residues 1-372), a stable and soluble unit derived from human ACTRT3, designed for structural and biochemical studies. This high-quality protein supports research into cytoskeletal dynamics and nuclear functions. Actin-related protein T3 (ARP-T3), also known as Actin-related protein M1, is encoded by the ACTRT3 gene in Homo sapiens. Based on its subcellular localization, the protein is found in the cytoplasm, cytoskeleton, and nucleus, suggesting roles in cellular structure, intracellular transport, and nuclear processes. The recombinant fragment (1-372) represents a computationally optimized stable domain, facilitating experimental investigations into its molecular mechanisms.