Recombinant ACL7B protein (His tag)

Catalog Number	551295
Synonyms	Actin-like-7-beta
Species	Human
Expression System	E. coli
Accession	Q9Y614
Molecular Weight	Predictes a molecular mass of 41.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	49-415
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 49-415 aa (Q9Y614) 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 product is a high-quality recombinant protein fragment of human Actin-like protein 7B (ACTL7B), spanning amino acids 49-415. This 367-amino acid fragment has been computationally selected for optimal stability and solubility, making it an ideal reagent for structural studies, biochemical characterization, and functional assays in cytoskeletal research. Actin-like protein 7B (ACTL7B) is a human protein localized to the cytoplasm and cytoskeleton. As a member of the actin-like protein family, it is implicated in fundamental cellular processes involving the cytoskeletal architecture. The provided recombinant fragment represents a stable, soluble unit of the protein, designed to facilitate research into its specific structural and functional properties without the complexities often associated with full-length, less soluble proteins.