Recombinant ACTL8 protein (His tag)

Catalog Number	549374
Synonyms	Cancer/testis antigen 57; CT57
Species	Human
Expression System	E. coli
Accession	Q9H568
Molecular Weight	Predictes a molecular mass of 43.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	1-366
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 1-366 aa (Q9H568) 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-like protein 8 (ACTL8), also known as Cancer/testis antigen 57 (CT57), is a high-purity fragment (residues 1-366) designed for structural and biochemical studies. This fragment was computationally optimized for stability and solubility, making it ideal for investigating cytoskeletal dynamics and cancer-related research. Actin-like protein 8, encoded by the ACTL8 gene, is a human protein localized to the cytoplasm and cytoskeleton, as indicated by its subcellular location. While a detailed functional summary is not provided, its classification as a cancer/testis antigen (CT57) suggests potential roles in germline and tumor biology, with implications for cancer immunotherapy and cellular structure studies.