Recombinant SMTL2 protein (His tag)

Catalog Number	550886
Species	Human
Expression System	E. coli
Accession	Q2TAL5
Molecular Weight	Predictes a molecular mass of 14.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	348-461
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 348-461 aa (Q2TAL5) 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 Smoothelin-like protein 2 (SMTNL2) fragment (aa 348-461), a 114-amino acid protein that fully encompasses the Calponin-homology (CH) domain. This high-purity fragment serves as an ideal tool for researchers studying the specific structural and functional properties of the CH domain in cellular processes. Smoothelin-like protein 2, encoded by the SMTNL2 gene, is a human protein whose specific functions and subcellular localization require further characterization. The availability of this recombinant fragment containing the Calponin-homology domain enables researchers to investigate the domain-specific roles of SMTNL2 in cellular mechanisms, potentially advancing understanding of its biological significance.