Recombinant SPADH protein (His tag)

Catalog Number	551611
Species	Human
Expression System	E. coli
Accession	A0A494C103
Molecular Weight	Predictes a molecular mass of 14.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	22-137
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 22-137 aa (A0A494C103) 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 high-purity recombinant protein product features the CUB domain-containing protein (gene: SPADH) from Homo sapiens. The supplied fragment (residues 22-137, 116 aa) is specifically engineered to encompass the complete CUB functional domain, providing researchers with an ideal tool for targeted structural and functional studies of this critical protein region. The CUB domain-containing protein, encoded by the SPADH gene (UniProt ID: A0A494C103), is a human protein of significant research interest. CUB domains are evolutionarily conserved structural motifs found in diverse proteins, often involved in developmental processes, extracellular matrix interactions, and protein-protein recognition. While specific functional and subcellular localization data for the full-length SPADH protein are still being characterized, proteins containing CUB domains typically play roles in tissue organization, signaling pathways, and cellular adhesion. This recombinant fragment allows focused investigation into the properties and interactions mediated specifically by its CUB domain, facilitating research into its molecular mechanisms and potential biological roles.