Recombinant CSKI2 protein (His tag)

Catalog Number	550983
Synonyms	CASK-interacting protein 2
Species	Human
Expression System	E. coli
Accession	Q8WXE0
Molecular Weight	Predictes a molecular mass of 17.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	490-626
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 490-626 aa (Q8WXE0) 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 Caskin-2 (CASK-interacting protein 2) fragment (residues 490-626) is a high-purity protein designed for studying the specific functions of the SAM 2 domain. This 137-amino acid fragment provides researchers with a targeted tool to investigate domain-specific interactions and mechanisms in cellular signaling pathways. Caskin-2 (CASK-interacting protein 2), encoded by the CASKIN2 gene, is a human protein localized to the cytoplasm. As a cytoplasmic protein, Caskin-2 likely functions in intracellular signaling complexes and protein-protein interaction networks. The specific fragment (490-626) encompasses the SAM 2 domain (residues 558-622), which is known to mediate protein-protein interactions and oligomerization in various signaling proteins, making this recombinant protein particularly valuable for investigating the structural and functional properties of this specific protein interaction domain.