Recombinant CSKI1 protein (His tag)

Catalog Number	549858
Synonyms	CASK-interacting protein 1
Species	Human
Expression System	E. coli
Accession	Q8WXD9
Molecular Weight	Predictes a molecular mass of 16.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	473-609
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 473-609 aa (Q8WXD9) 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-1 Fragment (473-609) is a high-purity protein fragment that encompasses the SAM 2 domain (541-605) of CASK-interacting protein 1. This specialized construct provides researchers with a targeted tool for investigating the specific molecular functions of the SAM 2 domain in intracellular signaling pathways. Caskin-1 (CASK-interacting protein 1) functions as a molecular adaptor that links the scaffolding protein CASK to downstream intracellular effectors, playing a crucial role in cellular signaling networks. The full-length protein is localized to the cytoplasm, where it participates in protein-protein interactions and signal transduction pathways. The SAM 2 domain contained within this recombinant fragment represents a key functional region that mediates specific protein interactions essential for Caskin-1's biological activities.