Recombinant CNIPF protein (His tag)

Catalog Number	549150
Species	Human
Expression System	E. coli
Accession	G9CGD6
Molecular Weight	Predictes a molecular mass of 34.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	1-291
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-291 aa (G9CGD6) 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	The CNK3/IPCEF1 fusion protein (1-291) is a high-quality recombinant fragment designed for studying HGF-dependent Arf6 activation and cell migration mechanisms. This construct specifically encompasses the SAM and CRIC functional domains, making it an ideal tool for domain-specific functional investigations. The full-length CNK3/IPCEF1 protein is a human protein required for hepatocyte growth factor (HGF)-dependent activation of Arf6 and HGF-stimulated cell migration, as demonstrated in published research (ECO:0000269|PubMed:22085542). This protein plays a crucial role in cellular migration signaling pathways, though its specific subcellular localization remains uncharacterized. The functional domains contained within this recombinant fragment are essential for understanding the molecular mechanisms underlying HGF-mediated cellular responses.