Recombinant PKN3 protein (His tag)

Catalog Number	547516
Synonyms	Protein kinase PKN-beta; Protein-kinase C-related kinase 3
Species	Human
Expression System	E. coli
Accession	Q6P5Z2
Molecular Weight	Predictes a molecular mass of 39.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	552-889
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 552-889 aa (Q6P5Z2) 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 Serine/threonine-protein kinase N3 (PKN3) fragment (residues 552-889) is a high-purity protein designed for functional studies. This fragment encompasses the complete Protein kinase and AGC-kinase C-terminal domains, making it an ideal tool for investigating kinase activity and domain-specific functions in cancer research. Serine/threonine-protein kinase N3 (PKN3) contributes to invasiveness in malignant prostate cancer, as demonstrated in scientific studies. The full-length protein localizes to both the nucleus and perinuclear Golgi region of the cytoplasm, suggesting roles in nuclear signaling and cytoplasmic regulatory processes. Its involvement in cancer progression highlights its significance as a research target for understanding metastatic mechanisms.