Recombinant PPM1N protein (His tag)

Catalog Number	549290
Species	Human
Expression System	E. coli
Accession	Q8N819
Molecular Weight	Predictes a molecular mass of 42.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	44-430
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 44-430 aa (Q8N819) 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 Probable Protein Phosphatase 1N (PPM1N) Fragment (44-430) - A high-purity protein fragment encompassing the complete PPM-type phosphatase domain (66-326), ideal for investigating domain-specific phosphatase functions in biochemical and cellular studies. The full-length Probable Protein Phosphatase 1N (PPM1N) is a human protein classified as EC 3.1.3.16, indicating its function as a protein phosphatase. As a member of the PPM family of serine/threonine protein phosphatases, this enzyme plays crucial roles in cellular signaling pathways through its dephosphorylation activity, regulating various biological processes including cell cycle progression, stress responses, and metabolic pathways.