Recombinant PP4RL protein (His tag)

Catalog Number	551034
Species	Human
Expression System	E. coli
Accession	Q9P1A2
Molecular Weight	Predictes a molecular mass of 29.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	44-291
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 44-291 aa (Q9P1A2) 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 Putative serine/threonine-protein phosphatase 4 regulatory subunit 1-like (PPP4R1L) fragment (residues 44-291). This 248-amino acid fragment has been computationally optimized for stability and solubility, making it an ideal tool for structural studies and biochemical assays investigating phosphatase regulation. The full-length Putative serine/threonine-protein phosphatase 4 regulatory subunit 1-like protein, encoded by the PPP4R1L gene, is believed to function as a regulatory subunit of serine/threonine-protein phosphatase 4. Protein phosphatase 4 plays crucial roles in various cellular processes including cell cycle progression, DNA damage response, and microtubule organization. As a regulatory subunit, this protein likely helps direct the phosphatase to specific substrates or cellular locations, thereby modulating its activity in key signaling pathways.