Recombinant IPP2B protein (His tag)

Catalog Number	542905
Synonyms	PPP1R2 family member B; Protein phosphatase 1, regulatory subunit 2 pseudogene 3; Protein phosphatase inhibitor 2-like protein 3
Species	Human
Expression System	E. coli
Accession	Q6NXS1
Molecular Weight	Predictes a molecular mass of 20.53 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	2-168
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 2-168 aa (Q6NXS1) 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 PPP1R2B Fragment (residues 2-168) is a high-quality protein product designed for structural and biochemical studies. This fragment represents a stable and soluble unit of Protein phosphatase inhibitor 2 family member B, an inhibitor of protein phosphatase 1, optimized for research applications. The full-length PPP1R2B protein functions as an inhibitor of protein phosphatase 1, playing a regulatory role in cellular signaling pathways. This function is supported by experimental evidence (PubMed:23506001), highlighting its importance in modulating phosphatase activity. The recombinant fragment (residues 2-168) was computationally selected to provide a stable and soluble representation of the protein, enabling detailed mechanistic and structural investigations into its inhibitory role.