Recombinant PPM1J protein (His tag)

Catalog Number	549503
Synonyms	Protein phosphatase 2C isoform zeta; PP2C-zeta
Species	Human
Expression System	E. coli
Accession	Q5JR12
Molecular Weight	Predictes a molecular mass of 50.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 51 kDa band.

Product Information

Sequence Region	67-505
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 67-505 aa (Q5JR12) 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 Protein Phosphatase 1J (PPM1J) Fragment (residues 67-505) - A high-purity protein fragment encompassing the complete PPM-type phosphatase domain, ideal for investigating serine/threonine phosphatase activity and cellular signaling pathways. Protein phosphatase 1J (PP2C-zeta), encoded by the PPM1J gene, belongs to the PP2C family of metal-dependent serine/threonine protein phosphatases. As a member of the PPM/PP2C phosphatase family, this enzyme plays crucial roles in various cellular signaling pathways by dephosphorylating target proteins. The recombinant fragment spanning residues 67-505 contains the complete functional PPM-type phosphatase domain (residues 104-498), making it an excellent tool for studying the specific catalytic activity and regulatory functions of this important phosphatase family in human cellular processes.