Recombinant 2ABG protein (His tag)

Catalog Number	549680
Synonyms	IMYPNO1; PP2A subunit B isoform B55-gamma; PP2A subunit B isoform PR55-gamma; PP2A subunit B isoform R2-gamma; PP2A subunit B isoform gamma
Species	Human
Expression System	E. coli
Accession	Q9Y2T4
Molecular Weight	Predictes a molecular mass of 53.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 57 kDa band.

Product Information

Sequence Region	1-447
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 1-447 aa (Q9Y2T4) 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	This product is a recombinant fragment of the human Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform (PPP2R2C), encompassing residues 1-447. It is designed for structural and biochemical studies, offering a stable and soluble unit that retains key functional regions, making it ideal for investigating PP2A complex regulation and substrate selectivity. The full-length Serine/threonine-protein phosphatase 2A regulatory subunit B gamma isoform, encoded by the PPP2R2C gene, plays a critical role in modulating the PP2A holoenzyme. As a regulatory subunit, it influences substrate selectivity and catalytic activity, potentially directing the enzyme to specific subcellular compartments to fine-tune cellular signaling pathways. This protein is essential for processes such as cell cycle progression, signal transduction, and metabolic regulation, highlighting its importance in basic and disease-related research.