Recombinant PG2IP protein (His tag)

Catalog Number	549646
Synonyms	Cell wall biogenesis protein 43 C-terminal homolog
Species	Human
Expression System	E. coli
Accession	Q9H720
Molecular Weight	Predictes a molecular mass of 34.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	411-699
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 411-699 aa (Q9H720) 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 recombinant protein product features a stable and soluble fragment (residues 411-699) of the human PGAP2-interacting protein, also known as Cell wall biogenesis protein 43 C-terminal homolog (CWH43). This fragment is designed for structural and biochemical studies, supporting research into GPI-anchor maturation and lipid remodeling processes. The full-length PGAP2-interacting protein (CWH43) is a multi-pass membrane protein localized to cellular membranes and plays a critical role in lipid remodeling during the maturation of glycosylphosphatidylinositol (GPI) anchors. GPI anchors are essential for attaching proteins to cell membranes, and their proper maturation is vital for cellular function and signaling. This protein's involvement underscores its importance in membrane biology and potential relevance to related disease mechanisms.