Recombinant ITPI1 protein (His tag)

Catalog Number	550667
Synonyms	Coiled-coil domain-containing protein 129; ITPR-interacting domain-containing protein 1
Species	Human
Expression System	E. coli
Accession	Q6ZRS4
Molecular Weight	Predictes a molecular mass of 13.86 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	842-945
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 842-945 aa (Q6ZRS4) 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 ITPRID1 Fragment (842-945) is a high-purity protein fragment designed for structural and biochemical research. This 104-amino acid fragment of Protein ITPRID1 (Coiled-coil domain-containing protein 129) was computationally selected for optimal stability and solubility, making it ideal for experimental applications requiring reliable protein performance. Protein ITPRID1 (ITPR-interacting domain-containing protein 1), also known as Coiled-coil domain-containing protein 129, is encoded by the ITPRID1 gene in humans. While specific functional details and subcellular localization information are not fully characterized in the provided data, ITPRID1 is recognized for its interaction with inositol trisphosphate receptors, suggesting potential roles in calcium signaling pathways and cellular communication processes. The selected fragment (842-945) represents a structurally stable region that maintains key biophysical properties for research applications.