Recombinant TGRM2 protein (His tag)

Catalog Number	549543
Synonyms	Crescerin-2
Species	Human
Expression System	E. coli
Accession	Q6ZUX3
Molecular Weight	Predictes a molecular mass of 26.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	762-988
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 762-988 aa (Q6ZUX3) 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 TOG array regulator of axonemal microtubules protein 2 (Crescerin-2) fragment (residues 762-988) is a high-purity, stable protein designed for structural and biochemical studies. This 227-amino acid fragment was computationally optimized for solubility and stability, making it an ideal tool for investigating microtubule regulation mechanisms. TOG array regulator of axonemal microtubules protein 2 (Crescerin-2), encoded by the TOGARAM2 gene, is involved in the regulation of axonemal microtubules. While specific functional details and subcellular localization information are not fully characterized in the provided data, this protein is recognized for its potential role in cellular structures dependent on microtubule organization. The selected fragment (762-988) represents a structurally stable region suitable for experimental applications where full-length protein expression presents challenges.