Recombinant TOR4A protein (His tag)

Catalog Number	550771
Synonyms	Torsin family 4 member A
Species	Human
Expression System	E. coli
Accession	Q9NXH8
Molecular Weight	Predictes a molecular mass of 33.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	139-423
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 139-423 aa (Q9NXH8) 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 Torsin-4A (Torsin family 4 member A) fragment (aa 139-423) is a high-quality protein preparation designed for structural and biochemical studies. This 285-amino acid fragment represents a stable, soluble unit computationally optimized for research applications, providing researchers with a reliable tool for investigating this membrane-associated protein. Torsin-4A (TOR4A) is a human protein belonging to the Torsin family, with UniProt accession Q9NXH8. The protein is localized to cellular membranes and is characterized as a single-pass membrane protein. While specific functional details require further characterization, its membrane association and membership in the Torsin family suggest potential roles in cellular processes involving membrane dynamics and protein quality control. The selected fragment (aa 139-423) provides a stable, soluble representation of the protein suitable for experimental investigation.