Recombinant T183A protein (His tag)

Catalog Number	550951
Species	Human
Expression System	E. coli
Accession	Q8IXX5
Molecular Weight	Predictes a molecular mass of 21.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	130-299
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 130-299 aa (Q8IXX5) 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 Transmembrane protein 183A (TMEM183A) fragment (residues 130-299) is a high-purity, soluble protein designed for structural and biochemical studies. This 170-amino acid fragment was computationally optimized for stability and solubility, enabling reliable investigation of TMEM183A's membrane-associated properties. Transmembrane protein 183A (TMEM183A) is a human single-pass membrane protein localized to the cellular membrane. While its specific molecular function remains uncharacterized, its membrane topology suggests potential roles in cellular signaling, transport, or structural organization. The selected fragment (residues 130-299) represents a stable, soluble region suitable for experimental analysis without known domain structures, facilitating research into this understudied membrane protein.