Recombinant T151A protein (His tag)

Catalog Number	543134
Species	Human
Expression System	E. coli
Accession	Q8N4L1
Molecular Weight	Predictes a molecular mass of 25.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	119-322
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 119-322 aa (Q8N4L1) 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 151A (TMEM151A) fragment (residues 119-322) is a high-purity, soluble protein designed for structural and biochemical studies. This 204-amino acid fragment was computationally selected to ensure stability and solubility, enabling reliable investigation of TMEM151A's properties in experimental settings. Transmembrane protein 151A (TMEM151A) is a multi-pass membrane protein predominantly localized to the endoplasmic reticulum membrane in human cells. It is also found in neuronal projections, including axons and dendrites, suggesting potential roles in cellular trafficking or neuronal function. While a detailed functional summary is not available, its subcellular localization indicates involvement in intracellular membrane systems and neuronal architecture, making it a protein of interest for neurobiology and cell biology research.