Recombinant T191B protein (His tag)

Catalog Number	551502
Species	Human
Expression System	E. coli
Accession	P0C7N4
Molecular Weight	Predictes a molecular mass of 21.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	46-218
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 46-218 aa (P0C7N4) 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	This product is a high-quality recombinant protein fragment of human Transmembrane protein 191B (TMEM191B), encompassing amino acids 46-218. This 173-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural studies, biochemical characterization, and functional assays. Transmembrane protein 191B (TMEM191B) is a human protein encoded by the TMEM191B gene (UniProt ID: P0C7N4). It is localized to the cellular membrane and is annotated as a single-pass membrane protein. While a detailed functional summary is not currently available, its membrane association suggests potential roles in cellular signaling, transport, or structural organization at the membrane interface. The provided fragment represents a soluble, stable unit selected to facilitate the experimental investigation of this protein.