Recombinant F187B protein (His tag)

Catalog Number	550358
Synonyms	Transmembrane protein 162
Species	Human
Expression System	E. coli
Accession	Q17R55
Molecular Weight	Predictes a molecular mass of 38.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	18-335
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 18-335 aa (Q17R55) 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 Protein FAM187B (Transmembrane protein 162) fragment (residues 18-335) is a high-quality, soluble protein designed for structural and biochemical studies. This 318-amino acid fragment was computationally optimized to ensure stability and solubility, making it an ideal tool for investigating the properties of this human membrane protein. Protein FAM187B, also known as Transmembrane protein 162, is a human protein encoded by the FAM187B gene. It is localized to the membrane and classified as a single-pass type I membrane protein, suggesting its involvement in membrane-associated processes. While the specific molecular function of FAM187B is not fully characterized, its membrane topology implies potential roles in cell signaling, transport, or adhesion. The provided fragment (residues 18-335) represents a stable, soluble region selected to facilitate experimental analysis of this protein's structure and function.