Recombinant TM260 protein (His tag)

Catalog Number	546091
Synonyms	Transmembrane protein 260
Species	Human
Expression System	E. coli
Accession	Q9NX78
Molecular Weight	Predictes a molecular mass of 40.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	377-707
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 377-707 aa (Q9NX78) 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 TMEM260 (Protein O-mannosyl-transferase, EC 2.4.1.109) Fragment (aa 377-707) – a highly stable and soluble protein fragment designed for structural and biochemical studies. This product enables researchers to investigate the O-mannosylation activity of TMEM260 in a purified, functional format, supporting research in glycobiology and protein post-translational modifications. TMEM260 is an O-mannosyl-transferase that catalyzes the transfer of mannose residues to serine or threonine residues of target proteins, specifically glycosylating IPT/TIG domains in proteins such as MET and MST1R/RON. This enzyme produces single mannose glycans without further elongation or modification, playing a critical role in protein glycosylation pathways. Located in the endoplasmic reticulum membrane as a multi-pass transmembrane protein, TMEM260 is essential for proper cellular function and has implications in developmental and signaling processes. The full-length protein's perinuclear localization underscores its importance in endoplasmic reticulum-associated glycosylation mechanisms.