Recombinant TM248 protein (His tag)

Catalog Number	546079
Species	Human
Expression System	E. coli
Accession	Q9NWD8
Molecular Weight	Predictes a molecular mass of 9.34 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 9 kDa band.

Product Information

Sequence Region	108-178
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 108-178 aa (Q9NWD8) 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 248 (TMEM248) fragment (residues 108-178) is a 71-amino acid protein unit designed for structural and biochemical studies. This fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating the properties of this multi-pass membrane protein. Transmembrane protein 248 (TMEM248) is a human protein localized to the membrane and characterized as a multi-pass membrane protein. While detailed functional data is limited, its membrane association suggests potential roles in cellular transport, signaling, or structural integrity. The selected fragment (108-178) represents a stable, soluble region optimized for experimental applications, enabling researchers to explore aspects of TMEM248 without the complexities of the full-length membrane-bound protein.