Recombinant TM9S2 protein (His tag)

Catalog Number	549894
Synonyms	p76
Species	Human
Expression System	E. coli
Accession	Q99805
Molecular Weight	Predictes a molecular mass of 31.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	42-300
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 42-300 aa (Q99805) 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 recombinant protein product features a stable and soluble fragment (residues 42-300) of the human Transmembrane 9 superfamily member 2 (TM9SF2, p76), designed for structural and biochemical studies. The fragment represents a computationally optimized region of this multi-pass membrane protein, which may function as a channel or small molecule transporter in intracellular compartments. The full-length Transmembrane 9 superfamily member 2 (TM9SF2) is a human protein that localizes to endosome membranes and functions as a multi-pass membrane protein, potentially acting as a channel or transporter for small molecules within intracellular compartments. It also localizes to specialized regions such as the Golgi outpost and microtubule organizing center, where it contributes to dendrite morphology through acentrosomal microtubule nucleation. This protein plays important roles in intracellular transport and cellular structure organization.