Recombinant TM115 protein (His tag)

Catalog Number	542597
Synonyms	Placental protein 6; Protein PL6
Species	Human
Expression System	E. coli
Accession	Q12893
Molecular Weight	Predictes a molecular mass of 14.63 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	187-301
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 187-301 aa (Q12893) 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 115 (TMEM115) Fragment (residues 187-301) – a high-quality, soluble protein fragment designed for structural and biochemical studies. This product offers a stable and functional unit of the full-length protein, ideal for investigating its role in Golgi-endoplasmic reticulum transport and protein glycosylation processes. Transmembrane Protein 115 (TMEM115), also known as Placental Protein 6 or Protein PL6, is a multi-pass membrane protein localized to the Golgi apparatus, specifically the Golgi stack membrane. It plays a critical role in retrograde transport of proteins from the Golgi to the endoplasmic reticulum and may indirectly contribute to protein glycosylation within the Golgi. These functions highlight its importance in intracellular trafficking and post-translational modification pathways, making it a key target for research in cell biology and molecular mechanisms.