Recombinant TM270 protein (His tag)

Catalog Number	550140
Synonyms	Williams-Beuren syndrome chromosomal region 28 protein
Species	Human
Expression System	E. coli
Accession	Q6UE05
Molecular Weight	Predictes a molecular mass of 9.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	1-71
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-71 aa (Q6UE05) 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 270 (TMEM270) fragment (amino acids 1-71) is a high-quality, soluble protein product designed for structural and biochemical studies. This fragment, derived from the Williams-Beuren syndrome chromosomal region 28 protein, is computationally optimized for stability and solubility, making it ideal for research applications. Transmembrane protein 270 (TMEM270), also known as Williams-Beuren syndrome chromosomal region 28 protein, is a multi-pass membrane protein localized to the membrane in human cells. While specific functional details are not fully characterized, its association with the Williams-Beuren syndrome chromosomal region suggests potential roles in cellular processes relevant to this genetic disorder. The full-length protein's membrane integration highlights its importance in membrane-associated functions, and this recombinant fragment provides a tractable tool for investigating its properties.