Recombinant TPBGL protein (His tag)

Catalog Number	551111
Species	Human
Expression System	E. coli
Accession	P0DKB5
Molecular Weight	Predictes a molecular mass of 30.47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	32-307
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 32-307 aa (P0DKB5) 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 Trophoblast glycoprotein-like (TPBGL) fragment (amino acids 32-307), a 276-amino acid soluble protein domain derived from human TPBGL. This fragment was computationally designed for optimal stability and solubility, making it an ideal tool for structural studies, biochemical assays, and functional investigations of this membrane-associated protein. Trophoblast glycoprotein-like (TPBGL) is a human protein identified as a single-pass type I membrane protein localized to the membrane compartment. As a membrane-associated protein, TPBGL likely plays important roles in cellular signaling, adhesion, or recognition processes at the cell surface. The specific 32-307 fragment represents a stable, soluble domain that maintains structural integrity while eliminating the transmembrane region, facilitating experimental applications where membrane association would otherwise complicate analysis.