Recombinant LMF2 protein (His tag)

Catalog Number	549358
Synonyms	Transmembrane protein 112B; Transmembrane protein 153
Species	Human
Expression System	E. coli
Accession	Q9BU23
Molecular Weight	Predictes a molecular mass of 26.85 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	420-636
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 420-636 aa (Q9BU23) 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 Lipase Maturation Factor 2 (LMF2) Fragment (420-636): A high-purity, soluble protein fragment derived from human LMF2, designed for structural and biochemical studies. This fragment represents a stable region of the protein, ideal for investigating its role in endoplasmic reticulum-mediated protein maturation. Lipase Maturation Factor 2 (LMF2), also known as Transmembrane Protein 112B or 153, is a multi-pass membrane protein localized to the endoplasmic reticulum in humans. It plays a critical role in the maturation of specific proteins within the secretory pathway, including facilitating the proper folding and transport of active lipoprotein lipase (LPL). This function underscores its importance in lipid metabolism and cellular protein processing, making it a valuable target for research in metabolic disorders and endoplasmic reticulum biology.