Recombinant FA78B protein (His tag)

Catalog Number	552071
Species	Human
Expression System	E. coli
Accession	Q5VT40
Molecular Weight	Predictes a molecular mass of 31.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-261
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-261 aa (Q5VT40) 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 high-quality recombinant protein product features the human FAM78B (Family with sequence similarity 78 member B) fragment (amino acids 1-261). This 261-amino acid fragment has been computationally selected for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assay development. FAM78B is a human protein encoded by the FAM78B gene (UniProt ID: Q5VT40). As a member of the FAM78 family, its specific molecular function and biological role are currently under investigation. Research into FAM78B contributes to the broader understanding of protein families with conserved sequences and their potential cellular functions. The provided fragment represents a predicted stable structural unit of the protein, facilitating experimental studies to elucidate its properties.