Recombinant FA81B protein (His tag)

Catalog Number	550737
Species	Human
Expression System	E. coli
Accession	Q96LP2
Molecular Weight	Predictes a molecular mass of 40.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	117-452
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 117-452 aa (Q96LP2) 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 FAM81B Fragment (117-452) is a high-quality protein product designed for structural and biochemical research. This 336-amino acid fragment was computationally selected to provide optimal stability and solubility, making it an ideal tool for investigating the properties and function of the FAM81B protein in experimental settings. FAM81B (Family with Sequence Similarity 81 Member B) is a human protein identified by gene FAM81B. While specific functional details and subcellular localization information for the full-length protein are not fully characterized, this recombinant fragment represents a strategically designed portion that maintains structural integrity for research applications. The selection of amino acids 117-452 was based on computational predictions to ensure the fragment exhibits enhanced stability and solubility properties, facilitating its use in various experimental approaches aimed at understanding FAM81B's biological significance.