Recombinant F237A protein (His tag)

Catalog Number	550811
Species	Human
Expression System	E. coli
Accession	A0A1B0GTK4
Molecular Weight	Predictes a molecular mass of 10.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	34-111
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 34-111 aa (A0A1B0GTK4) 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 Protein FAM237A (34-111) is a high-quality, stable fragment designed for structural and biochemical studies. This product represents a soluble unit of the human FAM237A protein, which may activate GPR83 via the GNAQ signaling pathway, offering researchers a reliable tool for investigating its functional mechanisms. Protein FAM237A, encoded by the FAM237A gene in Homo sapiens, is a secreted protein that may play a role in activating GPR83 through the GNAQ signaling pathway, as supported by experimental evidence. Its secretion suggests involvement in extracellular signaling processes, potentially influencing cellular communication and regulatory functions. The selected fragment (residues 34-111) was computationally optimized for stability and solubility, enabling detailed analysis of the protein's properties without the complexities of the full-length form.