Recombinant F187A protein (His tag)

Catalog Number	551472
Species	Human
Expression System	E. coli
Accession	A6NFU0
Molecular Weight	Predictes a molecular mass of 41.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	31-376
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 31-376 aa (A6NFU0) 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-purity recombinant protein corresponds to a 346-amino acid fragment (residues 31-376) of the human Ig-like V-type domain-containing protein FAM187A (UniProt ID: A6NFU0). The fragment is specifically designed to encompass the complete Ig-like V-type functional domain (residues 267-361), providing an ideal research tool for investigating the structure, interactions, and specific biological functions of this key domain in isolation. The full-length FAM187A protein is a single-pass type I membrane protein localized to the cellular membrane. While a detailed functional summary is not currently available, its classification and domain architecture suggest it is a cell surface or membrane-associated protein containing an immunoglobulin-like V-type domain. Such domains are commonly involved in protein-protein interactions, cell adhesion, and immune recognition processes. This recombinant fragment allows researchers to study the properties and activities of the Ig-like V-type domain independently of the full transmembrane protein, facilitating investigations into its specific role in cellular signaling, adhesion, or other intermolecular interactions.