Recombinant FND10 protein (His tag)

Catalog Number	551648
Species	Human
Expression System	E. coli
Accession	F2Z333
Molecular Weight	Predictes a molecular mass of 17.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	35-182
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 35-182 aa (F2Z333) 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 Fibronectin type III domain-containing protein 10 (FNDC10) Fragment (aa 35-182). This high-purity, 148-amino acid fragment is engineered to contain the complete Fibronectin type-III functional domain (aa 74-166), providing an ideal tool for researchers investigating the specific structure and activity of this critical protein region. Fibronectin type III domain-containing protein 10 (FNDC10), encoded by the FNDC10 gene, is a single-pass type I membrane protein localized to the cellular membrane. This membrane association suggests a role in cell surface signaling, adhesion, or receptor-ligand interactions. The Fibronectin type-III domain is a common structural motif involved in protein-protein interactions, cell adhesion, and signaling pathways. The provided recombinant fragment, encompassing this complete domain, allows for focused biochemical and functional studies to elucidate the specific contributions of this region to the protein's overall biological activity.