Recombinant FNDC8 protein (His tag)

Catalog Number	551424
Species	Human
Expression System	E. coli
Accession	Q8TC99
Molecular Weight	Predictes a molecular mass of 18.79 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	176-324
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 176-324 aa (Q8TC99) 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 product features a 149-amino acid fragment (residues 176-324) of human Fibronectin type III domain-containing protein 8 (FNDC8). The fragment is specifically designed to encompass the complete Fibronectin type-III functional domain (residues 179-280), providing researchers with an ideal tool for targeted functional studies of this critical structural and signaling module. Fibronectin type III domain-containing protein 8 (FNDC8) is encoded by the FNDC8 gene in Homo sapiens. While specific functional and subcellular localization data for the full-length protein are not fully characterized in the provided information, proteins containing Fibronectin type-III domains are typically involved in cell adhesion, migration, signaling, and extracellular matrix interactions. This domain is a widespread structural motif found in numerous proteins with diverse biological roles, making this recombinant fragment a valuable reagent for investigating the specific biochemical and cellular functions mediated by this conserved domain within the FNDC8 protein context.