Recombinant FBX40 protein (His tag)

Catalog Number	549672
Synonyms	Muscle disease-related protein
Species	Human
Expression System	E. coli
Accession	Q9UH90
Molecular Weight	Predictes a molecular mass of 39.25 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	380-709
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 380-709 aa (Q9UH90) 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 F-box only protein 40 (FBXO40) Fragment (aa 380-709): A high-purity protein fragment encompassing the critical F-box domain, designed for targeted investigations into ubiquitin ligase complex formation and myogenesis mechanisms. F-box only protein 40 (FBXO40) is a probable substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex, which plays a key role in ubiquitin-mediated protein degradation pathways. Based on UniProt annotation (Q9UH90), it functions in myogenesis—the process of muscle tissue formation—highlighting its relevance to muscle development and disease research. The protein is localized to the cytoplasm, where it participates in cellular regulatory processes. This recombinant fragment (aa 380-709) includes the F-box domain (aa 570-624), enabling focused studies on domain-specific interactions and functions within ubiquitin ligase complexes.