Recombinant FBX33 protein (His tag)

Catalog Number	550680
Species	Human
Expression System	E. coli
Accession	Q7Z6M2
Molecular Weight	Predictes a molecular mass of 56.87 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 58 kDa band.

Product Information

Sequence Region	67-555
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 67-555 aa (Q7Z6M2) 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	Introducing the recombinant fragment of F-box only protein 33 (FBXO33), encompassing residues 67-555. This 489-amino acid fragment is engineered for stability and solubility, making it an ideal tool for structural studies, biochemical assays, and functional investigations into its role in ubiquitin-mediated protein degradation pathways. F-box only protein 33 (FBXO33) is a substrate recognition component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex in humans. This complex facilitates the ubiquitination and subsequent proteasomal degradation of specific target proteins, a critical process in cellular regulation. FBXO33 is believed to recognize and bind phosphorylated substrates, with evidence suggesting it targets YBX1, highlighting its importance in protein homeostasis and potential implications in disease mechanisms. The provided fragment represents a computationally optimized, stable region selected to support research into its structural and functional properties.