Recombinant FBX28 protein (His tag)

Catalog Number	543745
Species	Human
Expression System	E. coli
Accession	Q9NVF7
Molecular Weight	Predictes a molecular mass of 23.29 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	35-222
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 35-222 aa (Q9NVF7) 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 28 (FBXO28) fragment (residues 35-222) is a high-purity protein designed for functional studies. This fragment fully encompasses the critical F-box domain, making it an ideal tool for investigating domain-specific interactions and ubiquitination mechanisms in targeted protein degradation pathways. F-box only protein 28 (FBXO28) functions as a substrate recognition component that likely recognizes and binds phosphorylated proteins, promoting their ubiquitination and subsequent degradation. This protein localizes to the kinetochore region of chromosomes, suggesting a specialized role in cell division processes. The full-length protein's ability to target specific phosphorylated substrates for degradation highlights its importance in maintaining cellular protein homeostasis and regulating key signaling pathways.