Recombinant FBX44 protein (His tag)

Catalog Number	548240
Synonyms	F-box protein FBX30; F-box/G-domain protein 3
Species	Human
Expression System	E. coli
Accession	Q9H4M3
Molecular Weight	Predictes a molecular mass of 31.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-255
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 1-255 aa (Q9H4M3) 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 44 (FBXO44) fragment (amino acids 1-255) is a high-purity protein preparation designed for studying the substrate recognition functions of the SCF E3 ubiquitin ligase complex. This fragment encompasses the complete F-box and FBA domains, making it an ideal tool for investigating domain-specific interactions and ubiquitination mechanisms. F-box only protein 44 (FBXO44) serves as the substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. As an F-box protein, FBXO44 plays a critical role in the ubiquitin-proteasome system by specifically recognizing target substrates for ubiquitination, thereby regulating protein degradation and various cellular processes. The SCF complex represents a major class of E3 ubiquitin ligases that control numerous biological pathways through targeted protein degradation.