Recombinant FBX8 protein (His tag)

Catalog Number	550769
Synonyms	F-box/SEC7 protein FBS
Species	Human
Expression System	E. coli
Accession	Q9NRD0
Molecular Weight	Predictes a molecular mass of 30.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	68-319
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 68-319 aa (Q9NRD0) 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 8 (FBXO8) fragment (residues 68-319), encompassing the complete F-box and SEC7 domains. This high-purity protein is an essential tool for investigating ARF activation mechanisms and ubiquitin ligase complex functions in cellular regulation. F-box only protein 8 (FBXO8) is a human protein that promotes guanine-nucleotide exchange on ARF proteins, facilitating the replacement of GDP with GTP to activate ARF signaling pathways. As a potential ARF activator, FBXO8 plays a crucial role in intracellular trafficking and signal transduction processes. The protein contains both F-box and SEC7 domains, with the F-box domain typically mediating protein-protein interactions in ubiquitin ligase complexes, while the SEC7 domain is characteristic of guanine nucleotide exchange factors (GEFs) that activate small GTPases like ARF proteins.