# Recombinant FBX39 protein (His tag)

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| **Catalog Number** | 550699 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q8N4B4 |
| **Molecular Weight** | Predictes a molecular mass of 54.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 54 kDa band. |

## Product Information

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| **Sequence Region** | 1-442 |
| **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 1-442 aa (Q8N4B4) were fused with 6His tag. |

## Storage & Handling

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| **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.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human F-box only protein 39 (FBXO39) fragment (residues 1-442) is a high-purity protein designed for ubiquitin ligase and protein degradation studies. This fragment fully encompasses the F-box domain, making it an ideal tool for investigating substrate recognition and SCF complex interactions.<br>F-box only protein 39 (FBXO39) serves as the substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. As part of this complex, FBXO39 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 full-length protein's function in substrate recognition and ubiquitin ligase activity makes it significant for studying protein turnover, cellular signaling pathways, and potential therapeutic targets in disease mechanisms. |