Recombinant UBQL3 protein (His tag)

Catalog Number	549092
Species	Human
Expression System	E. coli
Accession	Q9H347
Molecular Weight	Predictes a molecular mass of 11.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	176-259
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 176-259 aa (Q9H347) 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 Ubiquilin-3 Fragment (aa 176-259) is a highly purified protein fragment specifically designed to encompass the STI1 functional domain (aa 194-233). This targeted fragment provides researchers with an ideal tool for studying the specific molecular functions and interactions mediated by the STI1 domain within the Ubiquilin-3 protein. Ubiquilin-3 (UBQLN3) is a human protein encoded by the UBQLN3 gene (UniProt ID: Q9H347). As a member of the ubiquilin family, Ubiquilin-3 plays important roles in protein degradation pathways, particularly through its involvement in the ubiquitin-proteasome system. The protein typically functions as an adaptor molecule that links ubiquitinated proteins to the proteasome for degradation, contributing to cellular protein quality control mechanisms. The specific fragment (aa 176-259) containing the STI1 domain allows focused investigation of domain-specific functions without interference from other protein regions.