Recombinant ASB11 protein (His tag)

Catalog Number	545571
Synonyms	ASB-11
Species	Human
Expression System	E. coli
Accession	Q8WXH4
Molecular Weight	Predictes a molecular mass of 37.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	1-323
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 1-323 aa (Q8WXH4) 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 Ankyrin repeat and SOCS box protein 11 (ASB-11) fragment (amino acids 1-323) is a high-purity protein designed for studying ubiquitin ligase complex function. This fragment includes the complete SOCS box domain, making it an essential tool for investigating substrate recognition, protein degradation pathways, and endoplasmic reticulum stress response mechanisms. Ankyrin repeat and SOCS box protein 11 (ASB-11) functions as the substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS/CRL5 complex), which mediates ubiquitination and subsequent proteasomal degradation of target proteins including BIK, DIRAS2, and RPN1. ASB-11 plays a critical regulatory role in the endoplasmic reticulum unfolded protein response by targeting BIK for degradation. The protein is localized to the endoplasmic reticulum, where it executes its function in protein quality control and cellular stress response pathways.