Recombinant ASB13 protein (His tag)

Catalog Number	538622
Synonyms	ASB-13
Species	Human
Expression System	E. coli
Accession	Q8WXK3
Molecular Weight	Predictes a molecular mass of 31.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-278
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 1-278 aa (Q8WXK3) 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 13 (ASB-13) fragment (amino acids 1-278) is a high-purity protein designed to encompass the complete SOCS box domain. This fragment serves as an essential tool for investigating the ubiquitin ligase functions and substrate recognition mechanisms of ASB-13 in targeted protein degradation pathways. The full-length Ankyrin repeat and SOCS box protein 13 (ASB-13) is encoded by the ASB13 gene in Homo sapiens. Based on functional annotations, ASB-13 acts as a substrate-recognition component within an SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin-protein ligase complex. This complex facilitates the ubiquitination of specific target proteins, marking them for proteasomal degradation—a critical process in regulating protein turnover, cellular signaling, and homeostasis. The SOCS box domain is integral to the assembly and function of this E3 ligase machinery, positioning ASB-13 as a key regulator in ubiquitin-mediated proteolysis.