Recombinant ASB5 protein (His tag)

Catalog Number	550981
Synonyms	ASB-5
Species	Human
Expression System	E. coli
Accession	Q8WWX0
Molecular Weight	Predictes a molecular mass of 30.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	70-329
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 70-329 aa (Q8WWX0) 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 ASB-5 Fragment (aa 70-329) is a high-purity protein designed for studying the SOCS box domain of Ankyrin repeat and SOCS box protein 5 (ASB-5). This fragment serves as an essential tool for investigating ubiquitin ligase complex interactions and their roles in protein degradation and arteriogenesis. Ankyrin repeat and SOCS box protein 5 (ASB-5), encoded by the ASB5 gene in Homo sapiens, functions as a substrate-recognition component within an SCF-like ECS E3 ubiquitin-protein ligase complex. This complex mediates the ubiquitination and subsequent proteasomal degradation of specific target proteins, playing a critical role in cellular protein homeostasis. Based on sequence similarity, ASB-5 is implicated in the initiation of arteriogenesis, highlighting its potential importance in vascular biology and adaptive circulatory processes. The recombinant fragment (aa 70-329) includes the SOCS box domain (aa 278-329), enabling focused research on domain-specific mechanisms in ubiquitin-mediated pathways.