Recombinant WSB2 protein (His tag)

Catalog Number	550246
Synonyms	WSB-2; CS box-containing WD protein
Species	Human
Expression System	E. coli
Accession	Q9NYS7
Molecular Weight	Predictes a molecular mass of 46.94 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	1-404
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 1-404 aa (Q9NYS7) 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 WSB-2 (WD repeat and SOCS box-containing protein 2) fragment (amino acids 1-404) is a high-purity protein designed for studying the SOCS box domain. This fragment serves as an essential tool for investigating E3 ubiquitin ligase complex functions, enabling researchers to explore substrate recognition and protein degradation mechanisms in a targeted manner. WSB-2 is a human protein that functions as a substrate-recognition component within SCF-like ECS E3 ubiquitin ligase complexes. These complexes mediate the ubiquitination of specific target proteins, marking them for proteasomal degradation—a crucial regulatory mechanism in cellular processes. The provided fragment spans the full SOCS box domain (residues 356-404), allowing focused investigation into how WSB-2 recognizes and facilitates the degradation of its protein targets through ubiquitin-mediated pathways.