Recombinant SPI2B protein (His tag)

Catalog Number	538812
Synonyms	Spindlin-like protein 2B; SPIN-2; SPIN-2B
Species	Human
Expression System	E. coli
Accession	Q9BPZ2
Molecular Weight	Predictes a molecular mass of 25.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	47-258
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 47-258 aa (Q9BPZ2) 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	This product offers a recombinant fragment of human Spindlin-2B (SPIN-2B), spanning residues 47-258, designed for robust structural and biochemical studies. The fragment represents a stable, soluble unit of the protein, which plays a key role in cell cycle regulation and histone modification. Spindlin-2B, encoded by the SPIN2B gene, is involved in regulating cell cycle progression and inhibiting apoptosis upon growth factor withdrawal. It also exhibits H3K4me3-binding activity, indicating a role in epigenetic regulation through histone mark recognition. The protein is localized to the nucleus, consistent with its functions in chromatin-associated processes and cell cycle control.