Recombinant SYF2 protein (His tag)

Catalog Number	541945
Synonyms	CCNDBP1-interactor; p29
Species	Human
Expression System	E. coli
Accession	O95926
Molecular Weight	Predictes a molecular mass of 30.25 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	2-243
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 2-243 aa (O95926) 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 SYF2 Protein Fragment (residues 2-243) is a high-purity, stable protein derived from the pre-mRNA-splicing factor SYF2. This fragment is designed for structural and biochemical studies, offering a soluble and functional unit ideal for investigating spliceosome mechanisms and RNA processing. The full-length SYF2 protein is a key component of the spliceosome, essential for pre-mRNA splicing in human cells, as supported by multiple studies (PubMed:11991638, PubMed:28076346, PubMed:28502770). It localizes to the nucleus, where it participates in the precise removal of introns and ligation of exons, a critical step in gene expression regulation. This recombinant fragment encompasses the core functional region, enabling detailed analysis of SYF2's role in splicing without the complexities of the full-length protein.