Recombinant SCAFB protein (His tag)

Catalog Number	541097
Synonyms	CTD-associated SR protein 11; Renal carcinoma antigen NY-REN-40; SC35-interacting protein 1; SR-related and CTD-associated factor 11; SRSF2-interacting protein; Serine/arginine-rich splicing factor 2-interacting protein; Splicing factor, arginine/serine-rich 2-interacting protein; Splicing regulatory protein 129; SRrp129
Species	Human
Expression System	E. coli
Accession	Q99590
Molecular Weight	Predictes a molecular mass of 12.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1373-1463
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 1373-1463 aa (Q99590) 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 SCAF11 Protein Fragment (1373-1463) is a high-purity, stable, and soluble protein designed for structural and biochemical studies. This 91-amino acid fragment of SCAF11, a key regulator of pre-mRNA alternative splicing, offers researchers a reliable tool to investigate spliceosome assembly mechanisms in vitro. SCAF11, also known as SR-related and CTD-associated factor 11, plays a critical role in pre-mRNA alternative splicing by regulating spliceosome assembly, as supported by experimental evidence (PubMed:9447963). This nuclear-localized protein interacts with splicing factors such as SC35 and SRSF2, contributing to the fine-tuning of gene expression through RNA processing. The selected fragment (1373-1463) was computationally optimized for stability and solubility, enabling focused studies on SCAF11's functional domains without the complexities of the full-length protein.