Recombinant SR140 protein (His tag)

Catalog Number	546437
Synonyms	140 kDa Ser/Arg-rich domain protein; U2-associated protein SR140
Species	Human
Expression System	E. coli
Accession	O15042
Molecular Weight	Predictes a molecular mass of 49.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa band.

Product Information

Sequence Region	271-681
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 271-681 aa (O15042) 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 U2SURP Protein Fragment (residues 271-681) is a high-purity, functional protein fragment encompassing the RRM and CID domains of U2 snRNP-associated SURP motif-containing protein. This product is an essential tool for investigating RNA splicing mechanisms, protein-protein interactions, and domain-specific functions in molecular biology research. The full-length U2SURP protein, also known as U2 snRNP-associated SURP motif-containing protein or SR140, is a nuclear protein involved in pre-mRNA splicing as a component of the U2 small nuclear ribonucleoprotein (snRNP) complex. Its localization to the nucleus, as evidenced by experimental data (ECO:0000269|PubMed:20858735), underscores its critical role in spliceosome assembly and RNA processing. The protein's Ser/Arg-rich domain suggests potential functions in regulating splicing efficiency and specificity, making it significant for studies on gene expression and RNA metabolism.