Recombinant CSTFT protein (His tag)

Catalog Number	545902
Synonyms	CF-1 64 kDa subunit tau variant; Cleavage stimulation factor 64 kDa subunit tau variant; CSTF 64 kDa subunit tau variant; TauCstF-64
Species	Human
Expression System	E. coli
Accession	Q9H0L4
Molecular Weight	Predictes a molecular mass of 22.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	1-190
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-190 aa (Q9H0L4) 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 Cleavage stimulation factor subunit 2 tau variant (CF-1 64 kDa subunit tau variant) fragment (amino acids 1-190), encompassing the complete RRM domain. This high-purity protein is an essential tool for investigating AAUAAA-independent mRNA polyadenylation mechanisms in germ cells and studying RNA-binding functions in a controlled experimental setting. The full-length Cleavage stimulation factor subunit 2 tau variant (CSTF2T) is a human nuclear protein that plays a significant role in AAUAAA-independent mRNA polyadenylation, particularly in germ cells. It functions by directly binding to pre-mRNAs, facilitating cleavage and polyadenylation processes that are crucial for gene expression regulation. Located exclusively in the nucleus, this protein is involved in specialized mRNA maturation pathways, making it an important subject for research in reproductive biology and post-transcriptional regulation.