Recombinant CELF3 protein (His tag)

Catalog Number	547433
Synonyms	CELF-3; Bruno-like protein 1; CAG repeat protein 4; CUG-BP- and ETR-3-like factor 3; ELAV-type RNA-binding protein 1; ETR-1; Expanded repeat domain protein CAG/CTG 4; RNA-binding protein BRUNOL-1; Trinucleotide repeat-containing gene 4 protein
Species	Human
Expression System	E. coli
Accession	Q5SZQ8
Molecular Weight	Predictes a molecular mass of 22.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	1-186
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 1-186 aa (Q5SZQ8) 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 CUGBP Elav-like family member 3 (CELF-3) Fragment (amino acids 1-186), encompassing the complete RRM 1 and RRM 2 domains. This high-purity protein is an essential tool for investigating RNA-binding mechanisms, alternative splicing regulation, and domain-specific functions in cellular processes. CUGBP Elav-like family member 3 (CELF-3) is an RNA-binding protein that plays a critical role in regulating pre-mRNA alternative splicing, influencing exon inclusion or exclusion in a tissue-specific and developmentally controlled manner. It is known to activate exon 5 inclusion in cardiac TNNT2 isoforms during heart remodeling and promotes splicing of MAPT/Tau exon 10, binding to intronic muscle-specific splicing enhancer sites. The protein localizes to both the nucleus and cytoplasm, underscoring its involvement in post-transcriptional regulatory pathways. The provided fragment, covering RRM 1 and RRM 2 domains, enables focused studies on RNA interaction and splicing modulation without interference from other regions.