Recombinant RBMS1 protein (His tag)

Catalog Number	542252
Synonyms	Single-stranded DNA-binding protein MSSP-1; Suppressor of CDC2 with RNA-binding motif 2
Species	Human
Expression System	E. coli
Accession	P29558
Molecular Weight	Predictes a molecular mass of 19.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	59-226
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 59-226 aa (P29558) 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 RBMS1 (59-226) Fragment - A high-purity protein fragment encompassing both RRM domains of the RNA-binding motif, single-stranded-interacting protein 1, ideal for studying DNA binding mechanisms and replication functions. RBMS1 (RNA-binding motif, single-stranded-interacting protein 1) is a nuclear protein that functions as a single-stranded DNA binding protein, specifically interacting with the upstream region of the MYC gene. It binds to the DNA sequence motif 5'-[AT]CT[AT][AT]T-3' and is believed to play a significant role in DNA replication processes. The protein is also known as Single-stranded DNA-binding protein MSSP-1 and Suppressor of CDC2 with RNA-binding motif 2, highlighting its importance in cell cycle regulation and nucleic acid interactions.