Recombinant PCBP3 protein (His tag)

Catalog Number	542436
Synonyms	rC; Alpha-CP3; PCBP3-overlapping transcript; PCBP3-overlapping transcript 1
Species	Human
Expression System	E. coli
Accession	P57721
Molecular Weight	Predictes a molecular mass of 18.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	44-200
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 44-200 aa (P57721) 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 PCBP3 Fragment (aa 44-200) is a high-purity protein designed for studying the KH domains 1 and 2 of Poly(rC)-binding protein 3. This fragment retains single-stranded nucleic acid binding activity, making it an ideal tool for functional assays and molecular interaction studies. Poly(rC)-binding protein 3 (PCBP3) is a human single-stranded nucleic acid binding protein with preferential affinity for oligo dC sequences. It localizes to the cytoplasm and is involved in nucleic acid interactions, playing roles in RNA metabolism and regulation. The full-length protein's function in binding cytosine-rich sequences supports its importance in gene expression and cellular processes, with this fragment specifically enabling targeted investigation of its KH domain-mediated activities.