Polyadenylate-binding Protein 2

Cat. No. CBCRY37 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	E.coli
Background	Poly(A) binding protein, nuclear 1, also known as PABPN1, is required for progressive and efficient polymerization of poly(A) tails on the 3" ends of eukaryotic genes and controls the size of the poly(A) tail to about 250 nt. At steady-state, this protein is localized in the nucleus whereas a different poly(A) binding protein is localized in the cytoplasm.
Protein Classification	RNA binding protein
Structure Weight	43445.20 Da
Polymer	1
Molecule	Polyadenylate-binding protein 2
Chain Length	96 amino acids
PDB ID	3B4M
MMDB ID	61872
Method	X-Ray Diffraction

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Resolution	2.82Å
Reference	Ge, H., Zhou, D., Tong, S., Gao, Y., Teng, M., Niu, L. (2008) Crystal structure and possible dimerization of the single RRM of human PABPN1 Proteins 71: 1539-1545

GENE INFORMATION

Gene Name	PABPN1
Synonyms	OPMD; PAB2; PABP2; poly(A) binding protein 2; poly(A) binding protein II; poly(A) binding protein, nuclear 1
UniProt ID	Q86U42
Gene ID	8106
Chromosome Location	14q11.2-q13
Function	nucleotide binding; nucleic acid binding; RNA binding; protein binding

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