

Recombinant Human PABPC1 protein, MYC/DDK-tagged

Cat. No. PABPC1-649H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PABPC1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a poly(A) binding protein. The protein shuttles between the nucleus and cytoplasm and binds to the 3' poly(A) tail of eukaryotic messenger RNAs via RNA-recognition motifs. The binding of this protein to poly(A) promotes ribosome recruitment and translation initiation; it is also required for poly(A) shortening which is the first step in mRNA decay. The gene is part of a small gene family including three protein-coding genes and several pseudogenes.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	70.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	PABPC1 poly(A) binding protein, cytoplasmic 1 [Homo sapiens]
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Official Symbol	PABPC1
Synonyms	PABPC1; poly(A) binding protein, cytoplasmic 1; PAB1, PABPC2, poly(A) binding protein, cytoplasmic 2; polyadenylate-binding protein 1; PABP1; PABPL1; poly(A) binding protein, cytoplasmic 2; PAB1; PABP; PABPC2;
Gene ID	26986
mRNA Refseq	NM_002568
Protein Refseq	NP_002559
MIM	604679
UniProt ID	P11940
Chromosome Location	8q22.2-q23
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	RNA binding; nucleotide binding; poly(A) RNA binding; poly(A) RNA binding; protein C-terminus binding; protein binding; translation activator activity;