

Recombinant Human PABPC1 Protein, His-tagged

Cat. No. PABPC1-2541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PABPC1 Protein (Gln542-Ala619) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln542-Ala619
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.2 kDa Accurate Molecular Mass: 12 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PABPC1 poly(A) binding protein, cytoplasmic 1 [Homo sapiens (human)]
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

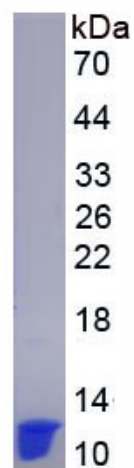
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