

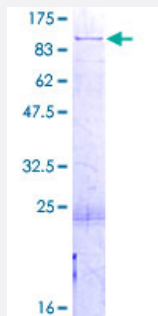
Full-Length

PABPC1 (Human) Recombinant Protein (P01)

Catalog # H00026986-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PABPC1 full-length ORF (NP_002559.2, 1 a.a. - 636 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNPSAPSYPMASLYVGDLPDVTEAMLYEKFSPAGPILSIRVCRDMITRRSLGYAYVNFQQPADA
ERALDTMNFVDVIKGPVRIMWSQRDPSLRKSGVGNIFIKNLDKSIDNKALYDTFSAFGNILSCKVVC
DENGSKGYGFVHFETQEEAERAIEKMNGMLLNDRKVFVGRFKSRKEREALGARAKEFTNVYIK
NFGEDMDDERLKDLFGKFGPALSVKVMTDESGKSKGFGFVSFERHEDAQKAVDEMNGKELNG
KQIYVGRAQKKVERQTELKRKFEQMKQDRITRYQGVNLYVKNLDDGIDDERLRKEFSPFGTITSAK
VMMEGGRSKGFGFVCFSSPEEATKAVTEMNGRIVATKPLYVALAQRKEERQAHLTNQYMQRMA
SVRAVPNPVINPYQPAPPSGYFMAAIPQTQNRAAYPPSQIAQLRPSRWTAQGARPHPFQNMP
GAIRPAAPRPPFSTMRPASSQVPRVMSTQRVANTSTQTMGPRPAAAAAATPAVRTVPQKYAA
GVRNPQQHLNAQPQVTMQQPAVHVQGQEPLTASMLASAPPQEQKQMLGERLFPLIQAMHPTLA
GKITGMLLEIDNSELLHMLESPESLRSKVDEAVAVLQAHQAKEAAQKAVNSATGVPTV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.1

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PABPC1

Entrez GeneID	26986
GeneBank Accession#	NM_002568.3
Protein Accession#	NP_002559.2
Gene Name	PABPC1
Gene Alias	PAB1, PABP, PABP1, PABPC2, PABPL1
Gene Description	poly(A) binding protein, cytoplasmic 1
Omim ID	604679
Gene Ontology	Hyperlink
Gene Summary	The poly(A)-binding protein (PABP), which is found complexed to the 3-prime poly(A) tail of eukaryotic mRNA, is required for poly(A) shortening and translation initiation. In humans, the PABPs comprise a small nuclear isoform and a conserved gene family that displays at least 3 functional proteins: PABP1 (PABPC1), inducible PABP (iPABP, or PABPC4; MIM 603407), and PABP3 (PABPC3; MIM 604680). In addition, there are at least 4 pseudogenes, PABPCP1 to PABPCP4.[supplied by OMIM]
Other Designations	poly(A) binding protein, cytoplasmic 2 poly(A)-binding protein, cytoplasmic 2

Publication Reference

- [Interplay between Polyadenylate-Binding Protein 1 and Kaposi's Sarcoma-Associated Herpesvirus ORF57 in Accumulation of Polyadenylated Nuclear RNA, a Viral Long Noncoding RNA.](#)

Massimelli MJ, Majerciak V, Kruhlak M, Zheng ZM.

Journal of Virology 2012 Oct; 87(1):243.

Application: PI, Human, Recombinant protein