

Recombinant Human PAIP2, His-tagged

Cat. No. PAIP2-1816H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PAIP2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 17.1 kDa (147aa).
Species	Human
Source	E.coli
Description	PAIP2, also known as Poly(A)-binding protein-interacting protein 2, acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. It displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKDPSRSSTS PSIINEDVII NGHSHEDDNP FAEYMWMEENE EEFNRQIEEE LWEEEFIERC FQEMLEEEEEE HEWFIPARDL PQTMDQIQDQ FNDLVISDGS SLEDLVVKS LNPNKEFVP GVKYGN I
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PAIP2 poly(A) binding protein interacting protein 2 [Homo sapiens]

Synonyms

PAIP2; poly(A) binding protein interacting protein 2; PAIP2A; MGC72018; PABP-interacting protein 2; PABC1-interacting protein 2; polyA-binding protein-interacting protein 2; polyadenylate-binding protein-interacting protein 2; PAIP-2; Poly(A)-binding protein-interacting protein 2

Gene ID

51247

mRNA Refseq

NM_001033112

Protein Refseq

NP_001028284

MIM

605604

UniProt ID

Q9BPZ3

**Chromosome
Location**

5q31.2

Function

protein binding; translation repressor activity

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