

Product datasheet for **AR09299PU-N**

PAIP2 (1-127, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PAIP2 (1-127, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SGLVPRGSH</u> MKDPSRSSTS PSIINEDVII NGHSHEDDNP FAEYMWME NE EFNRQIEEE LWEEEFIERC FQEMLEEEEE HEWFIPARDL PQTMDQIQDQ FNDLVISDGS SLEDLVVKS N LNPNAKEFVP GVKYGN I
Tag:	His-tag
Predicted MW:	17.1 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Applications:	SDS-PAGE
Protein 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. Recombinant PAIP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001028284</u>
Locus ID:	51247



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UniProt ID: [Q9BPZ3](#), [Q49AE6](#)

Cytogenetics: 5q31.2

Synonyms: PAIP-2; PAIP2A

Summary: 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. 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.[UniProtKB/Swiss-Prot Function]

Product images:

