

Product datasheet for AR09299PU-N

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OriGene Technologies, Inc.

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:

MGSSHHHHHH SSGLVPRGSH MKDPSRSSTS PSIINEDVII NGHSHEDDNP FAEYMWMENE EEFNRQIEEE LWEEEFIERC FQEMLEEEEE HEWFIPARDL PQTMDQIQDQ FNDLVISDGS

SLEDLVVKSN LNPNAKEFVP GVKYGNI

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





UniProt ID: Q9BPZ3, Q49AE6

Cytogenetics: 5q31.2

Synonyms: PAIP-2; PAIP2A

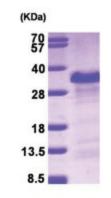
Summary: Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its

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:



15% SDS-PAGE (3ug)