

Datasheet for ABIN7554889
PAIP1 Protein (AA 1-479) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PAIP1
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAIP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PAIP1 Protein expressed in mammalian cells.
Sequence:	<p>MSDGFDRAPG AGRGRSRGLG RGGGGPEGGG FPNGAGPAER ARHQPPQPKA PGFLQPPPLR QPRTTPPPGA QCEVPASPQR PSRPGALPEQ TRPLRAPPSS QDKIPQQNSE SAMAKPQVVV APVLMKLSV NAPEFYPSGY SSSYTESYED GCEDYPTLSE YVQDFLNHLT EQPGSFETEI EQFAETLNGC VTTDDALQEL VELIYQQATS IPNFSYMGAR LCNYLSHHLT ISPQSGNFRQ LLLQRCRTEY EVKDQAAKGD EVTRKRFHAF VLFLGELYLN LEIKGTNGQV TRADILQVGL RELLNALFSN PMDDNLICAV KLLKLTGSVL EDWKEKGM DMEEIIQRIE NVVLDANCSR DVKQMLLKL V ELRSSNWGRV HATSTYREAT PENDPNYFMN EPTFYTSDGV PFTAADPDYQ EKYQELLERE DFFPDYEENG TDLGAGDPY LDDIDDEMDP EIEEAYEKFC LESERKRKQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

PAIP1

Alternative Name:

PAIP1 ([PAIP1 Products](#))

Background:

Polyadenylate-binding protein-interacting protein 1 (PABP-interacting protein 1) (PAIP-1) (Poly(A)-binding protein-interacting protein 1),FUNCTION: Acts as a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs. Its stimulatory activity on translation is mediated via its action on PABPC1. Competes with PAIP2 for binding to PABPC1. Its association with EIF4A and PABPC1 may potentiate contacts between mRNA termini. May also be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. {ECO:0000269|PubMed:11051545, ECO:0000269|PubMed:9548260}., FUNCTION: (Microbial infection) Upon interaction with SARS coronavirus SARS-CoV NSP3 protein, plays an important role in viral protein synthesis. {ECO:0000269|PubMed:33876849}.

Molecular Weight:

53.5 kDa

Target Details

UniProt: [Q9H074](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months