

Product datasheet for **SC110174**

PAIP1 (NM_182789) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAIP1 (NM_182789) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAIP1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182789, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGACGGTTTCGATCGGGCCCCAGAGCAAACGAGGCCCTGAGAGCTCCACCTAGTTCACAGGATA
AAATCCCACAGCAGAACTCGGAGTCAGCAATGGCTAAGCCCCAGGTGGTTGTAGCTCCTGTATTAATGTC
TAAGCTGTCTGTGAATGCCCTGAATTTACCCCTCAGGTTATTCTTCCAGTTACACAGAATCCTATGAG
GATGGTTGTGAGGATTATCCTACTCTATCAGAATATGTTTCAGGATTTTTGAATCATCTTACAGAGCAGC
CTGGCAGTTTTGAACTGAAATGAACAGTTTGCAGAGACCCTGAATGGTTGTGTTACAACAGATGATGC
TTTGCAAGAACTTGGAACCTATCTATCAACAGGCCACATCTATCCCAAATTTCTTTATATGGGAGCT
CGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAGCCACAGAGTGGCAACTCCGCAATTGCTAC
TTCAAAGATGTCGGACTGAATATGAAGTTAAAGATCAAGCTGCAAAAGGGGATGAAGTTACTCGAAAACG
ATTTTCATGCATTTGACTCTTTCTGGGAGAACTTTATCTTAACCTGGAGATCAAGGGAACAAATGGACAG
GTTACAAGAGCAGATATTCTTCAGGTTGGTCTTCGAGAATTGCTGAATGCCCTGTTTTCTAATCCTATGG
ATGACAATTTAATTTGTGCAGTAAAATTGTTAAAGTTGACAGGATCAGTTTTGGAAGATGCTTGGAAAGGA
AAAAGGAAAGATGGATATGGAAGAAATTATTCAGAGAATTGAAAACGTTGCTTAGATGCAAACTGCAGT
AGAGATGTAAAACAGATGCTCTTGAAGCTTGTAGAACTCCGGTCAAGTAAGTGGGGCAGAGTCCATGCAA
CTTCAACATATAGAGAAGCAACACCAGAAAATGATCCTAACTACTTTATGAATGAACCAACATTTTATAC
ATCTGATGGTGTTCCTTTCACTGCAGCTGATCCAGATTACCAAGAGAAAATACCAAGAATTTACTTGAAGA
GAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTATCCGGGGCTGGTATCCATACTTGGATG
ATATTGATGATGAGATGGACCCAGAGATAGAAGAAGCTTATGAAAAGTTTTGTTTGGAAATCAGAGCGTAA
GCGAAAACAGTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182789 unedited GATTTTGTAAATACGACTCTACTATAGGCGGCCGCGAGCCGGGGCCCGCCCTCCTC CTCCATGAGCCCGAGTGAGGCGCGGCGGCTATAGCCGACCCGCGGCGCCTTCCCCCGCG TCCTATCGCGAGCGCAGCGGCGAGCGCCCTGGAGGAGGAGGCGGAGGAGGAGCATG TCGGACGGTTTCGATCGGGCCCCAGAGCAAACGAGGCCCTGAGAGCTCCACCTAGTTCA CAGGATAAAATCCCACAGCAGAACTCGGAGTCAGCAATGGCTAAGCCCCAGGTGGTTGTA GCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGCCCTGAATTTTACCCTTCAGGTTAT TCTTCCAGTTACACAGAATCCTATGAGGATGGTTGTGAGGATTATCCTACTCTATCAGAA TATGTTCAAGATTTTTTGAATCATCTTACAGAGCAGCCTGGCAGTTTTGAAACTGAAATT GAACAGTTTGAGAGACCCTGAATGGTTGTGTTACAACAGATGATGCTTTGCAAGAACTT GTGGAACCTCATCTATCAACAGGCCACATCTATCCCAAATTTCTCTTATATGGGAGCTCGC CTGTGTAATTACCTGTCCCATCTGACAATTAGCCACAGAGTGGAACCTTCCGCCAA TTGCTACTTCAAAGATGTCGACTGAATATGAAGNTAAAGATCAAGCTGCNAAAGGGGAT GAAGTTACTCGAAAACGATTTTCATGCATTTGACTCTNTCTGGGAGAAGCTTATCTTAAC CTGGNAGATCAAGGGGACANATGGACAGNTACCAGAGCAGATATTCTTCAGGNTGGNTC TCGAGAATGCTGATGGCCTGTTTTCTAATCTATGGATGACATTTATTNGTGCAAGTAAATG GNTAAAGTGACAGGATCAGTTTGGNAGATGCTGGAGGAAAGNAGATGATTGGAGAATAT TCAAGATTGAACGTGTCTAAGCCACGCGTNNAAAGTAACGAGCCTGAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_182789
Insert Size:	1600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_182789.2, NP_877590.1</u>
RefSeq Size:	2570 bp
RefSeq ORF:	1203 bp
Locus ID:	10605
UniProt ID:	<u>Q9H074</u>
Cytogenetics:	5p12

Gene Summary:

The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an alternate in-frame segment, compared to variant 1, resulting in a shorter protein (isoform 2) that has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.