

Product datasheet for **SC127374**

PAIP1 (NM_006451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAIP1 (NM_006451) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAIP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006451, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGACGGTTTCGATCGGGCCCCAGGTGCTGGTCGGGGCCGGAGCCGGGGCCTGGGCCCGGAGGGG
GCGGGCCCTGAGGGCGCGGGTTTCCCGAACGGAGCGGGGCCTGCTGAGCGGGCGCGGCACCCAGCCGCCGA
ACCCAAAGCCCCGGGCTTCTGCAGCCACCGCCGCTGCGCCAGCCAGGACGACCCCGCCCGCCAGGGGCC
CAGTGCGAGGTCCCCGCCAGCCCCAGCGGCCTTCCCGGCCCGGGGCGCTCCCAGAGCAAACGAGGCCCC
TGAGAGCTCCACCTAGTTCACAGGATAAAATCCACAGCAGAACTCGGAGTCAGCAATGGCTAAGCCCCA
GGTGGTTGTAGCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGCCCTGAATTTTACCCTTCAGGTTAT
TCTTCCAGTTACACAGAATCCTATGAGGATGGTTGTGAGGATTATCCTACTCTATCAGAATATGTTTCAGG
ATTTTTTGAATCATCTTACAGAGCAGCCTGGCAGTTTTGAAACTGAAATTGAACAGTTTGCAGAGACCTT
GAATGGTTGTGTTACAACAGATGATGCTTTGCAAGAACTTGGAACCTCATCTATCAACAGCCACATCT
ATCCCAAATTTCTTATATGGGAGCTCGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAGCCAC
AGAGTGGCAACTCCGCCAATTGCTACTTCAAAGATGTCGGACTGAATATGAAGTTAAAGATCAAGCTGC
AAAAGGGGATGAAGTTACTCGAAAACGATTTTCATGCATTTGACTCTTCTGGGAGAAGTTTATCTTAAC
CTGGAGATCAAGGGAACAAATGGACAGGTTACAAGAGCAGATATCTTCAGGTTGGTCTTCGAGAATTGC
TGAATGCCCTGTTTTCTAATCCTATGGATGACAATTTAATTTGTGCAGTAAAATTGTTAAAGTTGACAGG
ATCAGTTTTGGAAGATGCTTGAAGGAAAAGGAAAGATGGATATGGAAGAAATTATTCAGAGAATTGAA
AACGTTGTCTAGATGCAAAGTGCAGTAGAGATGTAAAACAGATGCTCTTGAAGCTGTAGAACTCCGGT
CAAGTAACTGGGCAGAGTCCATGCAACTTCAACATATAGAGAAGCAACACCAGAAAATGATCCTAACTA
CTTTATGAATGAACCAACATTTTATACATCTGATGGTGTCTTTCACTGCAGCTGATCCAGATTACCA
GAGAAATACCAAGAATTACTTGAAGAGAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTAT
CCGGGGCTGGTGATCCATACTTGGATGATATTGATGATGAGATGGACCCAGAGATAGAAGAAGCTTATGA
AAAGTTTTGTTTGAATCAGAGCGTAAGCGAAAACAGTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006451 unedited</p> <p>TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGAACTGGAAAGCCGAGG GTAGCCGAGCGGGGCGGGCGCTCTGGAGCGGCGGGTGCTCGGGCTGCCGTCGCTCCGCC AGAAGCACCGAGCAGCCGAGCCGGGGCCCGCCCTCCTCCTCCATGAGGCCGAGTGA GGCGGGCGGCTATAGCCGACCCGCGGCCTTCCCCCGCGTCTATCGCGAGCGCAGC GGCAGCGGCCCTGGAGGAGGAGCGGAGGAGGAGCATGTCGGACGGTTTCGATCGG GCCCCAGAGCAAACGAGGCCCTGAGAGCTCCACCTAGTTCACAGGATAAAATCCCACAG CAGAACTCGGAGTCAGCAATGGCTAAGCCCCAGGTGGTTGTAGCTCCTGTATTAATGTCT AAGCTGTCTGTGAATGCCCTGAATTTTACCCTTCAGGTTATTCTTCCAGTTACACAGAA TCCTATGAGGATGGTTGTGAGGATTATCCTACTCTATCAGAATATGTTCCAGGATTTTTG AATCATCTTACAGAGCAGCCTGGCAGTTTTGAACTGAAATTGAACAGTTTGCAGAGACC CTGAATGGTTGTTTACAACAGATGATGCTNTGCAAGAACTGTGGAATCATCTATCAA CAGGCCACATCTATCCAAATTTCTTATATGGGAGCTCGCCTGTGTAATTACCTGTCC CATCATCTGACAATAGCCACAGAGTGGCAACTCCGCCNATGGCTACTNCAAAGATGTC GGACTGAATATGAAGNTAAAAGACTCAGCTGCAAAGGGGATGAAGTACCTCGAAACGAT NCATGCATTGTACTCTTCTGGGAGACCTTATCTACCCTGGAGATCAGGNACANTGGGA CAGGTACAGAGCAGATTTCTCAGGTTGCCTTCGAGATGCTGATGCCTGTTTCTATCCTA G</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006451 unedited</p> <p>ATTTTGNATCGAGTTTTTTTTTTTTTTTTTTTTTTAGAGGAAACAATTTAAGCTTTA TTTTCAAAGTCTAATTTTAATTCAGACTGAACAAACAACCAGAAAAGTGAGAAAGCTAAC TGATTTAGCAGACACAGATGTACCAAATGTAACAGTGGGTTATTAACAGAACTATTTA CATGCATATTTACAAGCAATCCTTTTGTACACAGTTTTTGTAGTTAGCTGGAAAAAGATTTG ACATTAGGTAAAAATATTATTTATTAGGCTGAGGTGGTACCACATTATAGTAAAAAGTAT TAGAAAAGTGACCCTCAAGGTGTATCAATTATAAAGCAGATGAAAACCTGAATGACAAAT ATCTAGTAAAAATCTCTAGTAAAAAGTCGATGCAACCCATGCTACAAAATAAAAGTGAG AAAGCCATATAAAATAAGCAGAATAATGTTCTAGGCTTTAAGGTAATGAAGCTAGTCAGT TGAAAAATAAAAAATAAAAAAGAACAATTCTAGAATTGGAATAAATCTTCAGTGAAGTCT TGGTTGTATAGCTGGGAGTTCACCCAAGTGGGTTTTTCCCCCATGACATTTAAAAAGC CCTTGGTATAAAATAGCATCTGCATATGTAATCCAGTGTGATATTTCCAAGACTTTA GTGCTAAAGATTTCAAGATATGATTATATTTGAATTCATTTATGGGACACTAATGTAAA CTAAATGAAAGCTTATATACCCCTACCTAAAAAGATGCTCCTTTTTGCAGTATATGTATT TCAGCAGAAGATTTTTCCCTCAGAAAAGCAAATTTAAAGAATAAGCTTTTACCACCTAG CAAATTTCAAATTTATTTTCAAATCGATTTTTTGGCCCAACAGTAATTAAGTGTCT TATAACTTTATTTTACATCCCTCTTATTTAGGAATAAGGTTTTTGGCCGAGTGGGAAACA AAAAGTGGTACCTTTACAAACTCAATCCCATTGGCAAAGGAAAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006451
Insert Size:	2520 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:

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: [NM_006451.3](#), [NP_006442.2](#)

RefSeq Size: 2796 bp

RefSeq ORF: 2796 bp

Locus ID: 10605

UniProt ID: [Q9H074](#)

Cytogenetics: 5p12

Domains: MIF4G

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 (1) encodes the longest 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.