

## Product datasheet for SC110175

### PAIP1 (NM\_183323) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAIP1 (NM_183323) 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:	>OriGene ORF within SC110175 sequence for NM_183323 edited (data generated by NextGen Sequencing)

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ATGGCTAAGCCCCAGGTGGTTGTAGCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGCC
CCTGAATTTTACCCTTCAGGTTATTCTTCCAGTTACACAGAATCCTATGAGGATGGTTGT
GAGGATTATCCTACTCTATCAGAATATGTTTCAGGATTTTTTGAATCATCTTACAGAGCAG
CCTGGCAGTTTTGAAACTGAAATTGAACAGTTTGCAGAGACCCTGAATGGTTGTGTTACA
ACAGATGATGCTTTGCAAGAACTTGTGGAACATCTATCAACAGGCCACATCTATCCCA
AATTTCTCTTATATGGGAGCTCGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAGC
CCACAGAGTGGCAACTCCGCCAATTGCTACTTCAAAGATGTCGGACTGAATATGAAGTT
AAAGATCAAGCTGCAAAAAGGGGATGAAGTTACTCGAAAACGATTTTCATGCATTTGTA
TTTCTGGGAGAACTTTATCTAACCTGGAGATCAAGGGAACAAAATGGACAGGTTACAAGA
GCAGATATTCTTTCAGGTTGGTCTTCGAGAATTGCTGAATGCCCTGTTTTCTAATCCTATG
GATGACAATTTAATTTGTGCAAGTAAAATTGTTAAAGTTGACAGGATCAGTTTTGGAAGAT
GCTTGGAAAGGAAAAAGGAAAGATGGATATGGAAGAAATTATTCAGAGAATTGAAAACGTT
GTCCTAGATGCAAACTGCAGTAGAGATGTAAAACAGATGCTCTTGAAGCTTGTAAGACTC
CGGTCAAGTAACTGGGCGAGTCCATGCAACTCAACATATAGAGAAGCAACACCAGAA
AATGATCCTAACTACTTTATGAATGAACCAACATTTTATACATCTGATGGTGTTCCTTT
ACTGCAGCTGATCCAGATTACCAAGAGAAATACCAAGAATTACTTGAAAGAGAGGACTTT
TTTCCAGATTATGAAGAAAATGGAACAGATTTATCCGGGGCTGGTGATCCATACTGGAT
GATATTGATGATGAGATGGACCCAGAGATAGAAGAAGCTTATGAAAAGTTTTGTTGGAA
TCAGAGCGTAAGCGAAAACAGTAA

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Clone variation with respect to NM\_183323.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_183323 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGAACTCGGAGTCAGC AATGGCTAAGCCCCAGGTGGTTGTAGCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGC CCCTGAATTTTACCCTTCAGGTTATTCTTCCAGTTACACAGAATCCTATGAGGATGGTTG TGAGGATTATCCTACTCTATCAGAATATGTTCCAGGATTTTTGAATCATCTTACAGAGCA GCCTGGCAGTTTTGAAACTGAAATTGAACAGTTTGCAGAGACCCTGAATGGTTGTGTTAC AACAGATGATGCTTTGCAAGAAGCTTGTGGAAGCTCATCTATCAACAGGCCACATCTATCCC AAATTTCTTTATATGGGAGCTCGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAG CCCACAGAGTGGCAACTTCCGCCAATTGCTACTTCAAAGATGTCGGACTGAATATGAAGT TAAAGTCAAGCTGCAAAAGGGGATGAAGTTACTCGAAAACGATTTTCATGCATTTGTA CTTTCTGGGAGAACTTTATCTTAACCTGGAGATCAAGGGAACAAATGGACAGGTTACAAG AGCAGATATTCTCAGGTTGGTCTTCGAGAATTGCTGAATGCCCTGTTTTCTAATCCTAT GGATGACAATTTAATTTGTGCAGTAAAATTGTTAAAGTTGACAGGATCAGTTTTGGAAGA TGCTTGAAGGAAAAAGGAAAGATGGATATGGAAGAAATTATTCCAGAGAAATTGAAACGT TGTCCTAGATGCANACTGCAGTAGAGATGTAACAGATGCTCTTGAAGCTGTAGAACT CCGTCAAAGTACTGGGCAGAGTCCATGCACTTACATTAGAGAAGCACCCCGANATGATC CTACTACTTATGATGAACCACATTTTACTCN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_183323
<b>Insert Size:</b>	1100 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_183323.1</a> , <a href="#">NP_899152.1</a>
<b>RefSeq Size:</b>	2346 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	10605
<b>UniProt ID:</b>	<a href="#">Q9H074</a>
<b>Cytogenetics:</b>	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 (3) includes an alternate exon, compared to variant 1, resulting in a different 5' UTR and use of a downstream in-frame start codon. Isoform 3 has a shorter 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.