

## Product datasheet for **SC332485**

### PAF1 (NM\_001256826) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PAF1 (NM\_001256826) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PAF1  
**Synonyms:** F23149\_1; PD2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332485 representing NM\_001256826.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGCCACCATCCAGACCCAGGCCAGCGGGAGGATGGCCACAGGTCTGGAGTGGTCTGCCGAGTC
AAGTACTGCAATAGCCTCCCTGATATCCCCTTCGACCCCAAGTTCATCACCTACCCCTTCGACCAGAAC
AGGTTTCGTCAGTACAAAGCCACTTCCTTGAGAAACAGCACAAACATGACCTCCTGACTGAGCCAGAC
CTGGGGTCCACCATCGATCTCATCAATCCTGACACCTACCGCATCGACCCCAATGTTCTTCTAGATCCA
GCTGATGAGAACTTTTGAAGAGGAGATTGAGCCCCACCAGCTCCAAGAGATCCAGCAGCACGCGG
AAGGTGGTGCATGGATGCGAAAGACAGAGTACATCTCCACTGAGTTCAACCGTTATGGCATCTCCAAT
GAGAAGCCTGAGGTCAAGATTGGGGTTTCTGTGAAGCAGCAGTTTACCGAGGAAGAAATATACAAAGAC
AGGGATAGCCAGATCACAGCCATTGAGAAGACTTTTGAGGATGCCCAGAAATCAATCTCACAGCATTAC
AGCAAACCCCGAGTCACACCGGTGGAGGTCATGCCTGTCTTCCAGACTTTAAGATGTGGATCAATCCA
TGTGCTCAGGTGATCTTTGACTCAGACCCAGCCCCAAGGACACGAGTGGTGCAGCTGCGTTGGAGATG
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ATGAATGAGAAGGAACTGGAAGCTCAGGAGGCACGGAAGGCCAGCTAGAAAACACGAACCGGAGGAG
GAAGAGGAAGAGGAGATGGAGACAGAAGAGAAAGAAAGCTGGGGGCTCAGTGATGCTGATTCTGAGGACG
ATGCCGACTCTGATGATGAGGACAGAGGACAGGCCAAGGTGGCAGTGACAATGATTGAGACAGCGGCA
GCAATGGGGTGGCCAGCGGAGCCGAGCCACAGCCGAGCGCCAGTCCCTTCCCAGTGGCAGCGGAGC
ACTCGGCCAGGAGGATGGCAGTGAAGCTGCAGCTTCTGATTCCAGTGAAGCTGATAGTGACAGTGACT
GAGTCCCAGGGCATTGAGGGCTGGTTCAGACACCATTATTGTGAGCAGCAAAGCACTTTTCTAGTGGTC
TGTTTGTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001256826  
**Insert Size:** 1458 bp



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<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_001256826.1</a>
<b>RefSeq Size:</b>	2106 bp
<b>RefSeq ORF:</b>	1458 bp
<b>Locus ID:</b>	54623
<b>UniProt ID:</b>	<a href="#">Q8N7H5</a>
<b>Cytogenetics:</b>	19q13.2
<b>MW:</b>	55.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a subunit of the polymerase associated factor (PAF1) complex. The PAF1 complex interacts with RNA polymerase II and plays a role in transcription elongation as well as histone modifications including ubiquitylation and methylation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>