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Product datasheet for SC108551

PAF49 (CD3EAP) (NM_012099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAF49 (CD3EAP) (NM_012099) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAF49
Synonyms:	ASE-1; ASE1; CAST; CD3EAP; PAF49; RPA34
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012099, the custom clone sequence may differ by one or more nucleotides

ATGGAGGAGCCCCAGGCCGGCGATGCTGCTCGGTTCTCTTGTCCCCCCAACTTTACCGCGAAGCCCCCAG
CCTCAGAGTCCCCTCGTTTCTCCTTGGAGGCGCTGACGGGTCCAGATACGGAGCTGTGGCTTATTCAGGC
CCCTGCAGACTTTGCCCCAGAATGCTTCAATGGGCGGCATGTGCCTCTCTCTGGCTCCCAGATCGTCAAG
GGCAAATTGGCAGGCAAGCGGCACCGCTATCGAGTCCTCAGCAGCTGTCCCCAAGCTGGAGAAGCGACCC
TGCTGGCCCCCTCAACGGAGGCAGGAGGTGGACTCACCTGTGCCTCAGCCCCCCAGGGCACCCTAAGGAT
CCTTGAGGGTCCCCAGCAATCCCTGTCAGGGAGCCCTCTGCAGCCCATCCCAGCAAGTCCCCCACCACAG
ATCCCTCCTGGCCTGAGGCCTCGGTTCTGTGCCTTTGGGGGCAACCCACCAGTCACAGGGCCTAGGTCAG
CCTTGGCCCCCAACCTGCTCACCTCAGGGAAGAAGAAAAAGGAGATGCAGGTGACAGAGGCCCCAGTCAC
TCAGGAGGCAGTGAATGGGCACGGGGCCCTGGAGGTGGACATGGCTTTGGGGTCGCCAGAAATGGATGTG
CGGAAGAAGAAGAAGAAAAAAAATCAGCAGCTGAAAGAACCAGAGGCAGCAGGGCCTGTGGGGACAGAGC
CCACAGTGGAGACACTGGAGCCTCTGGGAGTGCTGTTCCCGTCCACCACCAAGAAGAGGAAGAAGCCCAA
AGGGAAAGAAACCTTCGAGCCAGAAGACAAGACAGTGAAGCAGGAACAGATTAACACTGAGCCTCTAGAA
GACACAGTCCTGTCCCCGACCAAAAAGAGAAAGAGGCAAAAGGGGACGGAAGGGATGGAGCCAGAGGAGG
GGGTGACAGTTGAGTCTCAGCCACAGGTGAAGGTGGAGCCACTGGAGGAAGCCATCCCTCTGCCCCCTAC
GAAGAAGAGGAAAAAAGAAAAGGGACAGATGGCAATGATGGAGCCAGGGACGGAGGCGATGGAGCCAGTG
GAGCCGGAGATGAAGCCTCTGGAGTCCCCAGGGGGGACCATGGCGCCTCAACAGCCAGAAGGAGCGAAGC
CTCAGGCCCAGGCAGCTCTGGCAGCTCCCAAAAAGAAGACGAAGAAAGAAAAACAGCAAGATGCCACAGT
GGAGCCAGAGACAGAGGTGGTGGGGCCTGAGCTGCCGGATGACCTTGAGCCTCAGGCAGCTCCCACATCC
ACCAAGAAGAAGAAGAAGAAGAAAGAGAGAGGTCACACAGTGACTGAGCCAATTCAGCCACTAGAGCCTG
AACTGCCAGGGGAGGGACAGCCTGAAGCCAGGGCAACTCCGGGATCCACCAAGAAGAGGAAGAAGCAGAG
TCAGGAAAGCCGGATGCCAGAGACAGTGCCCCAAGAGGAGATGCCAGGGCCGCCACTGAATTCAGAGTCT
GGGGAGGAGGCTCCCACAGGCCGGGACAAGAAGCGGAAGCAGCAGCAGCAGCCTGTGTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012099 unedited
ATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGAGCAGCCCGGGCTACAGGGT
TGCCTGAGGTGTGGGTCCCAGGATGGAGGAGCCCCAGGCCGGCGATGCTGCTCGGTTCTC
TTGTCCCCCCAACTTTACCGCGAAGCCCCCAGCCTCAGAGTCCCCTCGTTTCTCCTTGGA
GGCGCTGACGGGTCCAGATACGGAGCTGTGGCTTATTCAGGCCCCTGCAGACTTTGCCCC
AGAATGCTTCAATGGGCGGCATGTGCCTCTCTCTGGCTCCCAGATCGTCAAGGGCAAATT
GGCAGGCAAGCGGCACCGCTATCGAGTCCTCAGCAGCTGTCCCCAAGCTGGAGAAGCGAC
CCTGCTGGCCCCCTCAACGGAGGCAGGAGGTGGACTCACCTGTGCCTCAGCCCCCCAGGG
CACCCTAAGGATCCTTGAGGGTCCCCAGCAATCCCTGTCAGGGAGCCCTCTGCAGCCCAT
CCCAGCAAGTCCCCCACCACAGATCCCTCCTGGCCTGAGGCCTCGGTTCTGTGCCTTTGG
GGGCAACCCACCAGTCACAGGGCCTAGGTCAGCCTTGGCCCCCAACCTGCTCACCTCAGG
GAAGAAGAAAAAGGAGATGCAGGTGACAGAGGCCCCAGTCACTCAGGAGGCAGTGAATGG
GCACGGNGCCCTGGAGGTGGACATGGCTTTGGNGTCGCCAGAAATGGATGTGCNGNAGAA
GAAAAGAAAAAAATCAGCAGCTGAAAGAACANNAGCAGCAGGGCCTGTGGGGACAGAGCC
CCAGTGGAGACACTNAGCCTCTGGGAGTGCTGTTCCCGTTCACCACCAGAAGAGTAAGAG
CCCAAGGGAAAGAAACTTCGAGCANNAGACAGACAGTGAGCAGGACAGTTTACCTGGGCT
TTAAAGACCAGTCTGTCCCGACAAAGAGAGAGCAAAGGGACGAAGGATGACCCAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012099 unedited
NTTTACTTGNACCGCGCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAACATTGCATGTTCTTATTTATTTGGGTA
TCTAAAAATCAAAACAATTGAACTCCTGGAAATAAAAGTGGATGGATATTTCCTGGAGGC
TGGGGAGGGTATTTAGGGGCTGGCAGGGAAATGGGGAAGGTTAATGGGTACCACACACAC
ACACACACCCCCACACCCCCACACAAAGAAAGAATGAATAAGACCTTCTTTTTGATAACC
CAACCAGGGGACTTTAGCCAATAATAATGGGACATTTTAAAATAACTTGGCAGGGGGCGG
GGGCTCACACCTGTTATCCTAACACTTTGGGAGGTCAAGGCAGGTGGATCACCAGGTCAG
GATTTTGAAACCACCCTGGCCAATATGGGGAAACCCCTGTCTTTACTAAAAATACAAAAA
TTACCCGGGTATAGTGGTGGGCACCTTTAGGCCCAACTACTCGGGAGGCTGAGGCAGGAG
AATCGTTGGAACCCAAGAGGCGGAGGTTGCAGTGAGCCAAGATACACCACTGCACTCCAG
CCTGGGTGACACCAGGAGACTGTCTCAAAAAAATATAATAACTTACCCAGGCGCAGTGGC
TCACACCTATATCCCCCCCTGGGAGGCTTAGGCCCGCCCCTTAGGAGGTCCAGAAATCAA
GACCCTTCTGGGTAAACTGGGAAACCCCCTTTTTTCTTAAAAAAAATCCAAAAATTAACT
GGGCAAGGGGCCTTTTTTCCCACTTCCTCTAGAAGCTTAAGCCGAAAATAGCCTTAACCC
CGGAGCCGGTTCCTTCCTTGAACCCAAATTGCCCCTCTCCCTTTCACCTGGGGAAAAGAA
CGAGATTCCCTTTTCCAAAAAAAAAAAATTTTTTTTTTTAATTCCTTA

Restriction Sites: NotI-NotI

ACCN: NM_012099

Insert Size: 2820 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_012099.1, NP_036231.1
RefSeq Size:	3286 bp
RefSeq ORF:	1533 bp
Locus ID:	10849
UniProt ID:	O15446
Cytogenetics:	19q13.32
Protein Families:	Transcription Factors
Gene Summary:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Isoform 1 is involved in UBTF-activated transcription, presumably at a step following PIC formation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.