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Product datasheet for SC117394

DAP1 (DAP) (NM_004394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAP1 (DAP) (NM_004394) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC117394 sequence for NM_004394 edited (data generated by NextGen Sequencing)
ATGTCTTCGCCTCCCGAAGGGAAACTAGAGACTAAAGCTGGACACCCGCCCGCCGTGAAA
GCTGGTGGAATGCGAATTGTGCAGAAACACCCACATACAGGAGACACCAAAGAAGAGAAA
GACAAGGATGACCAGGAATGGGAAAGCCCCAGTCCACCTAAACCCACTGTGTTCATCTCT
GGGGTCATCGCCCGGGGTGACAAAGATTTCCCCCCGGCGGCTGCGCAGGTGGCTCACCAG
AAGCCGCATGCCTCCATGGACAAGCATCCTTCCCCAAGAACCCAGCACATCCAGCAGCCA
CGCAAGTGA

Clone variation with respect to NM_004394.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004394 unedited
CCGTATTTTGTAATACGACTCACTATTAGGGCGGCCGCGAATTCGCACGAGGGCGGAAGC
CCCGCCGCGCCATGTCTTCGCCTCCCGAAGGAAACTAGAGACTAAAGCTGGACACCCGCC
CGCCGTGAAAGCTGGTGGAATGCGAATTGTGCAGAAACACCCACATACAGGAGACACCAA
AGAAGAGAAAGACAAGGATGACCAGGAATGGGAAAGCCCCAGTCCACCTAAACCCACTGT
GTTCATCTCTGGGGTCATCGCCCGGGGTGACAAAGATTTCCCCCCGGCGGCTGCGCAGGT
GGCTCACCAGAAGCCGCATGCCTCCATGGACAAGCATCCTTCCCCAAGAACCCAGCACAT
CCAGCAGCCACGCAAGTGAGCCTGGAGTCCACCAGCCTGCCCCATGGCCCCGGCTCTGCT
GCACTTGGTATTTACTCCTGACAGAGAGAACCCAGCAGTTTCGCCCAAATCCTACTCTGC
TGGGAAATCTAAGGCAAAACCAAGTGCTCTGTCCTTTGCCTTACATTTCCATATTTAAAA
CTAGAAACAGCTCCAGCCCAAACCTTGTTTATGGGGAGTCTGGTTGGATGTCATTTGAGG
ATCATTGTGCCCCTAGAGGTGCCATTAGCAGAATTTGCCAAGATCCGAGAAAAATTTTAG
CTTTAGTTCTATTTCAGATGTCACCTGACGTCCTTGTCTATGGTCTTANAAACAGAAGCA
CACATTTGAGAAGATGAGATTAAGGTTAGGAGAAAACCTCAGTCATTGCATGCTNTTTAG
TATGGGNNCCATAAATCTCAACACCTGTGGGAGAGTAAGAACTAAGGNAATGAGTTTTGG
GCGGCCCCTCATAAAGGACTTTANAGCAGGNNACAGNNCATGCCAATTTCCTCTCTCGTG
AGATGGNGGATCCTGTGCCAGCTGATG

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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_004394 unedited
GGCGCGGCGGGGCNNCNNNNNGCGGNGACCGCCCCCNNGGGTTCTTAGAAATGGCAGCGA
CTTTTATATAAATCATTTAATATTCTTGAGTTAACAACTGATAAACTCATTTAGGCAAAC
ATTTTGGATTTAATGATCTAAAGCTCACAGATGCATGCCACATCTAGCTAAAAGTACATA
AAAAGCGCACCTCTGGAAATAACAGCCCTCCCTCTGGCTGAAGACTGAGAAGCATTAAGG
ATGCTTCTGGATTTCTGCAGCGGCAGGGCAGGGGTCTGCACAGGCCTGACCTGGTGTTGC
TGGAGCGCGGCATCCCCTCCTGGGTGCTGCTCCGAAAGGCAGGCTGGGAGGTGCTTGCTG
GGGTGTTCCATGGCAGCGCTGCCAACCAAGTCTGGGTCTCTAAAAGCCACCCTCAGTTTA
TACCAACTGATCAGGAAATAGGTGGTGACAGGGCCTTGAAGGGTACATGCCGGCTTCCCT
TAAGTTGATTAGATGGGAAACCAAACACCGTTTTTCAAGTGTGAGGCTGAGCCATGCTCC
CTCACGGAAGAGGGGCGCTGGGTCTGACCAGCTCTGCCTCTGCCCTTACCATCTGGCAGA
CGTGAACTGGAAAACAGCACCACAAAAGCTGGTGGTTGGCAACTTGCCACCGACACAACT
GCTGACCTGCCACAAACCGCTGTGCGTGAGCCAGACACTAAGCCCTCACTAGCACTGTTT
TGGATTTATTCTGACAAGGTGAATCATTTGATTTTCAAAGGACCATGGTAACTTACCGAA
ACCACCATATATTACACCTTCCCTCTTTTTACCCGCAACTCATTTAAAAAACACAAGACA
ACCAGATCACCTACATGACATAGGATCCAGACCCCCCCCCCCCCAACCCGGACCCCCCTT
GTCTACATTTATATTATCCCTG
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Restriction Sites: NotI-NotI

ACCN: NM_004394

Insert Size: 2440 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_004394.1, NP_004385.1

RefSeq Size: 2232 bp

RefSeq ORF: 309 bp

Locus ID: 1611

UniProt ID: P51397

Cytogenetics: 5p15.2

Gene Summary: This gene encodes a basic, proline-rich, 15-kD protein. The protein acts as a positive mediator of programmed cell death that is induced by interferon-gamma. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]
Transcript Variant: This variant (2) has an additional exon in the coding region, which causes a frameshift, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.