

## Product datasheet for SC117034

### CFAP410 (NM\_004928) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CFAP410 (NM_004928) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFAP410
Synonyms:	C21orf2; LRRC76; RDMS; SMDAX; YF5/A2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC117034 sequence for NM_004928 edited (data generated by NextGen Sequencing) ATGAAGCTGACGCGGAAGATGGTTCTGACCCGGGCAAGGCCCTCGGAGCTGCACAGCGTG CGCAAGCTCAACTGCTGGGGCAGCCGCCTCACAGATATCTCCATTTGCCAGGAGATGCC AGCCTGGAGGTGATCACGCTCAGTGTCAACAGCATCTCCACCCTGGAGCCTGTGAGCCGG TGCCAGCGCCTGAGTGAGCTGTACCTGCGGAGGAACCGCATCCCCAGCCTGGCTGAGCTC TTCTACCTGAAGGGGCTGCCGCTCTGCGGGTGTGTGGCTGGCCGAGAACCCGTGCTGC GGCACCAGCCCCACCGTACCGCATGACCGTGTGCGCACCCCTGCCGCGCTACAGAAG CTGGACAACCAGGCTGTGACGGAGGAGGAGCTGTCCCGTGCAGTGTGAGGGAGAGGAG ATCACTGCGGCCCCAGAGAGAGAGGGGCACAGGCCACGGCGGCCCAAGCTATGCTGCACA CTGAGCTCCCTCAGCTCCGCTGCTGAGACTGGCCGGGACCCGCTGGACAGCGAGGAGGAG GCAACNNCGGCCCCAGGATGAACGTGGCCTGAAGCCGCCTTCCCGGGGCCAGTTTCT TCCCTCTCAGCCAGGGATGCCTCGAGCAGCCACAGGGGCAGGAACGTCCTGACTGCCATC CTGCTGCTGCTGCGGGAGCTGGATGCAGAGGGGCTGGAGGCCGTGCAGCAGACTGTGGGC AGCCGGCTGCAGGCCCTGCGTGGGGAAGAGGTGCAGGAGCACGCCGAGTGA  Clone variation with respect to NM_004928.2 547 a=>n;548 g=>n



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**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_004928 unedited  
GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGCAGAGCCAACGTGTC  
AGCGGGCCCAAGCGGCCCCAGCGGGCTCGCGTCGCCCGCTCTCCTCACCGAGCCGCCA  
ATCGGCTCAGGATCCGCCCTGACGACGCGGGCCCCGCCCTGGAGACACGCGCCGCGCA  
GTCGTACCCGCCCGGATCAGGAGGCCGGGGCGCCCGCGGTGGGCTGGGCGGCCG  
CCATGAAGCTGACGCGGAAGATGGTTCTGACCCGGCCAAGGCCCTCGGAGCTGCACAGCG  
TGCGCAAGCTCAACTGCTGGGGCAGCCGCCTCACAGATATCTCCATTTGCCAGGAGATGC  
CCAGCCTGGAGGTGATCACGCTCAGTGTCAACAGCATCTCCACCCTGGAGCCTGTGAGCC  
GGTGCCAGCGCCTGAGTGAAGTGTACTGCGGAGGAACCGCATCCCCAGCCTGGCTGAGC  
TCTTCTACCTGAAGGGGCTGCCGCTGCGGGTGTGTGGTGGCCGAGAACCCTGCT  
GCGGCACCAGCCCCACCCTACCGCATGACCGTGTGCGCACCCCTGCCGCGCTACAGA  
AGCTGGACAACAGGCTGTGACGGAGGAGGAGTGTCCCGTGCCTGAGTGAAGGAGAGG  
AGATCACTGCGGCCCGAGAGAGAGGCACAGGCCACGGCGGCCCCAGCTATGCTGCACAC  
TGAGCTCCCTCAGCTCCGCTGCTGAGACTGGCCCGGACCNGCTGGACAGCGAGGGAGGAG  
CACCCCGCCAGATGAACGTGGCCTGAAGCCGCTTTCCGGGGCCAGTTTNCCTTTCCTT  
TTAGCCAGGGATGCCTTGAGCAGCACAGGGGCACGGACGTCCTGACTGCATCCTGCTGCT  
GCTGCGGAACTGGAGCAANAGGGCTTGTAGGCCGCACAAAACGGGGCCACCCGTTGAGC  
CCTGCTGGG

**3' Read Nucleotide Sequence:** >OriGene 3' read for NM\_004928 unedited  
GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAACTTGGGAAAAATCTTTTA  
TTAGGGAGGACAGCCTGCAAAATCCTCCCTTAAAGAGCCAGGCCAGCCTAGAACCTCCA  
GACCACAGAAGGGGAGTCTGGGGACAGGACTGGTGTAGACAGGCATCTCCACCGCCCCG  
GTTAGCCAGTACCTAACACCCACTCCTGCCCTCGGCCGATGTGGCAAACCGGGGAGGCTT  
TTGTGTGGGGCCGGGCTGCGGCCATGGCAGCCACCCTCCAGCTCCCGGGGGCTGGGGAA  
GACGCTGGGGTCCCCGTGGAGGCTGGAGCGGCGTTCAGGTCCTGCGGTCACTCGGCGTGC  
TCCTGCACCTTCCCCACGCAGGGCCTGCAGCCGGCTGCCACAGTCTGCTGCACGGCC  
TCCAGCCCTCTGCATCCAGTCCCGCAGCAGCAGGATGGCAGTCAGGACGTTCCCTG  
CCCCTGTGGCTGCTCGAGGCATCCCTGGCTGAGAGGGAAGGAACTGGCCCCGGGAAGGC  
GGCTTCAGGCCACGTTATCCTGGGGCCGGTTGCCTCCTCCTCGCTGTCCAGCGGGTCC  
CGGCCAGTCTCAGCAGCGGAGCTGAGGGAGCTCAGTGTGACAGATAGCTTGGGGCCGCCG  
TGGCCTGTGCCCTCTCTCTGCGGGCCGAGTATCTCCTCCTCCTCACTCAGTGACGG  
GACAGCTCCTCCTNCGTACAGCCTGGTTGTCCAGCTTCTGTANGCGCGGCAGGGTGGC  
AGCAGGTCATGCGTANCGGTGGGGGCTGTGCCGCANACGGGTTCTCGCCAGCCAG  
CACCGCAGACGCGCAGCCCTTTCAGTATGAGAGCTCAGCAGCTGGGGATGCGGTCTCCG  
CAGTACAGCTCACTCAGCGCTGGACCGGTTACAGCTCAGGGTGGAAAGCTGTTGACTGA  
CCGGGACACCTCCGGG

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_004928

**Insert Size:** 1130 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>RefSeq:</b>	<a href="#">NM_004928.1</a> , <a href="#">NP_004919.1</a>
<b>RefSeq Size:</b>	2114 bp
<b>RefSeq ORF:</b>	771 bp
<b>Locus ID:</b>	755
<b>UniProt ID:</b>	<a href="#">O43822</a>
<b>Domains:</b>	LRR, LRRcap
<b>Gene Summary:</b>	<p>Four alternatively spliced transcript variants encoding four different isoforms have been found for this nuclear gene. All isoforms contain leucine-rich repeats. Three of these isoforms are mitochondrial proteins and one of them lacks the target peptide, so is not located in mitochondrion. This gene is down-regulated in Down syndrome (DS) brain, which may represent mitochondrial dysfunction in DS patients. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (1) encodes a mitochondrial protein (isoform 1).</p>