

Product datasheet for **SC330936**

CFAP410 (NM_001271442) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CFAP410 (NM_001271442) Human Untagged Clone
Tag: Tag Free
Symbol: CFAP410
Synonyms: C21orf2; LRRC76; RDMS; SMDAX; YF5/A2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330936 representing NM_001271442.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCAGCCTGGAGGTGATCACGCTCAGCATCTCCACCCTGGAGCCTGTGAGCCGGTGCCAGCGCCTG
AGTGAGCTGTACCTGCGGAGGAACCGCATCCCCAGCCTGGCTGAGCTCTTCTACCTGAAGGGGCTGCCG
CGTCTGCGGGTGTGTGGCTGGCCGAGAACCCGTGCTGCGGCACCAGCCCCACCCTACCGCATGACC
GTGCTGCGCACCCCTGCCGCGCTACAGAAGCTGGACAACCAGGCTGTGACGGAGGAGGAGCTGTCCCCT
GCACTGAGTGAGGAGAGGAGATCACTGCGGCCCCAGAGAGAGAGGGCACAGGCCACGGCGGCCCAAG
CTATGCTGCACACTGAGCTCCCTCAGCTCCGCTGCTGAGACTGGCCGGGACCCGCTGGACAGCGAGGAG
GAGGCAACCGGCCCCAGGATGAACGTGGCCTGAAGCCGCTTCCCGGGCCAGTTTCCTCCCTCTCA
GCCAGGGATGCCTCGAGCAGCCACAGGGGCAGGAACGTCCTGACTGCCATCCTGTGCTGCTGCGGGAG
CTGGATGCAGAGGGGCTGGAGGCCGTGCAGCAGACTGTGGGCAGCCGGCTGCAGGCCCTGCGTGGGGAA
GAGGTGCAGGAGCACGCCGAGTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001271442
Insert Size: 645 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).



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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_001271442.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 645 bp

Locus ID: 755

UniProt ID: [O43822](#)

Cytogenetics: 21q22.3

MW: 23.6 kDa

Gene Summary: 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 (4) has an alternate 5' exon and an additional exon in the 5' region, which cause translation initiation at a downstream AUG, compared to variant 1. The resulting isoform (4, also known as A2) is shorter and lacks a mitochondrial targeting peptide, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.