

Product datasheet for **SC307109**

CFAP418 (NM_177965) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFAP418 (NM_177965) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFAP418
Synonyms:	BBS21; C8orf37; CORD16; FAP418; MOT25; RP64; smalltalk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307109 representing NM_177965. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGCGGAGGACCTGGACGAGCTCTTGGATGAAGTCGAGTCCAAGTTTTGCACACCTGACCTTCTAAGA
CGGGGTATGGTCGAGCAGCCAAAGGCTGCGGCGGCGGCCACCCACAGTAGCGACCGGAACCAAGCCAAG
GCGAAAGAGACGCTCAGATCAACAGAAACATTTAAAAAAGAAGATGATCTTGACAGTCTTATTAATGAA
ATACTTGAAGAGCCCACTTGGACAAAAACCCTCTAAATTTAAATCTAAATCTTCAGGTAACACATCT
GTCAGAGCTTCCATTGAAGGCCTTGGTAAAAGTGCAGTCCGGTGTACCTTGGTGAAGCTCTATTCCA
TGTGGGATTGGAACAAATATTTTCATGGAGAGCATGTGACCATCTGCGTTGTATAGCCTGTGATTTCTTG
GTAGTCAGCTATGATGACTATATGTGGGACAAATCGTGTGATTATCTGTTTTTCAGGAACAACATGCCA
GAATTTACAAATTTAAAGCAAAGTTGATAAAGAAGAAAGGAACACGGGCATATGCCTGCCAGTGTAGC
TGGAGAATATTGAAGAAGTGACTGACCTTCAGACAGATCATCAGCTTCGCTGGGTTTGTGGTAAACAT
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_177965
Insert Size:	624 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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_177965.3
RefSeq Size:	3378 bp
RefSeq ORF:	624 bp
Locus ID:	157657
UniProt ID:	Q96NL8
Cytogenetics:	8q22.1
MW:	23.4 kDa
Gene Summary:	This gene encodes a ubiquitously expressed protein of unknown function. It has high levels of mRNA expression in the brain, heart, and retina and the protein co-localizes with polyglutamylated tubulin at the base of the primary cilium in human retinal pigment epithelial cells. Mutations in this gene have been associated with autosomal recessive cone-rod dystrophy (arCRD) and retinitis pigmentosa (arRP). [provided by RefSeq, Mar 2012]