

Product datasheet for **SC306176**

CFAP251 (NM_144668) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CFAP251 (NM_144668) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFAP251
Synonyms:	CaM-IP4; SPGF33; WDR66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306176 representing NM_144668. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGTCAGATGCAGCAGAAGCTCCCCGAGAAGCAACAGGAGAAAATGGAGAAACAGAAATGAAAGAAGAG
GAGGAACCTAATCCAAATTATAAAGAAGTAGAAGATCCACAACAGGAATCAAAAGATGACACAATAGCA
TGGAGAGAGTCTCAGGAGGAGGAGAGGAAAACGGGCGAGGAGGAAGGGAGGAGGGGAAAGGAGGAC
AAAAAGATTGTCATGGAAGAACTGAGGAAAAGGCTGGAGAAGTCCAAGAGAAGGAGGCTTCAGGAATA
CAGGAAGAAACCACAGTAGAGCCCCAAGAAGTCACAGCGTCCATGATCCGTTTGGAGACACAGATTACT
GATTCCCAGTCAATCACATCAGGAATTTTCCAAAAACCCAAAGAGGTAGCAAGTCAAAGCTTTCCTTA
CAATTGGAGGATGCAGAAACAGATGAGCTTTTAAGAGACCTGAGCACACAAATTGAATTTCTTGATTG
GATCAAAATCAGTCCTGAGGAACAACAGATTAGTTCCTGAAAGGCAGCCCTCAGGAGAGCTTGAGGAG
AAAACCGACCGGATGCCCAAGATGAACTGGGACAAGAAAGAGGGACTTGAGCCAGAAAACAGAGAG
GAGGGACAAGAAAGGAGAGTATCCGACATCCAGTCCAAAGCAGGGATCTCCCGGGAGTCACTGGTGTCC
AGCACACAGAGGACATTCTGTTTCAAAGGATAAAAGCACCCCGGTGTATCCCTTGACCATGACCTGG
TCGTTTGGATGGAACAGTTCTCTTCTGTTTACTATATTCGAGAGGAAAGGCAGAGAGTTCTTCTGTAT
GTTTGTGCTCACACTGCGATCATCTACAACGTGTTGAGGAACAATCAATACCACCTTCAGGGCCACGCC
AATATTATCTCCTGCCTCTGCGTCAGTGAAGACAGGCGGTGGATCGCCACAGCAGACAAAGGGCCAGAC
TGCTGGTGATTATATGGGACTCCTTCACAGGTATTCTGTGCACACAATTTTGACAGCTGCCCTGAA
GGGAATGGCATCATGGCCATGGCCATGACCCACGACGCCAAGTATCTGGCAACCATCTCAGATGCTGAA
GTCCAGAAGGTATGCATCTGGAAGTGGACTTTGGCAGTGGAAACGCCAGCATGCACTCTCGAACTCCCC
ACAGAGTACGGTGTTCAGAACTACGTTACTTTTAACCAACAAATAATAAAGAATTGGTGAGCAATAGT
AAAACACGGGCAATATATTATGCATGGTATGAAGAGAGGGATACACTGGCTCACAGTGCCCCACTTTTA
ACTGAAAAACCTTCAACAAGCTTGTGGAAAGTTTAGCCAGTCCATCTTCACTTGAATTTAACACAA
ATACTCTCAGCCACAATGGAAGGAAGCTGTTGTCTGGGACATACACCGCCACCCTCATCTGCCTCC
ACCTTTTGGGCTTTCCTATATCAAGCCTTGAAATTGGTTCATTTGCAGAAAGAGGTATCACGGTA



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CTTACCACAATTGATAGCTACATTGTCCAGGTGACATTAAGGGGAACATTAAGTTCTATGATCACACC
 CTGTCTATTGTTAACTGGTACAGTCACTTGAACTGGCGCCATAAGAACTCTGTCTTTTCAAAGACC
 CCAGCAACTCCTCTACTGAAAAATCAAACTATCCTCTGACTGCACTTTAAAGGTGACCTTTTGTGTC
 TTAAGGAATTTTATCATTGGAACATCTGATGCCGCGGTGTACCACTTAACAACAGATGGGACCAAACTT
 GAGAAGTTATTTGTAGAGCCCAAGGATGCCATTTGTGCCATCTCTGCCACCCATATCAACCCCTCATT
 GCCATCGGGAGCATCTGTGGGATGATCAAAGTGTGAATTATGAAACAAACAATATCTTTTCAGCAGG
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 TTACAGAGGGGACAGTTTACATTCTTGATGCAATGTCTTTAGAAAATGAAAGCCAGAGCCTTTCAAA
 TATTCCGAACCAAGTGTGACTCATATAAGCTTTTCCCATGACTCCAGTATATGGCAACTGCTGATAGA
 AGTTTTACTGTGGCTGTTTACATGCTGGTGGTCAGAAATGGACAGAGGTCTGGGAGTACTTAGCAAGA
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 GAAGTCTGGACATTACCACACCGACAGGGCTGCTATCCACCTGCATGGTCTGGTACCCACCACTC
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 ATGTGCAGAAAGACGCTTCTGGGGCCAGCTTATGGTCCCTATTGAGCAGACACAAGTCTCCAGTG
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 TTACCAGTTGACGGCAATCCACATAAGACATCTGCTATTGTTTGGCACCCGAACGGGGTGGCCGGCATG
 GCCGTTTCTATGATGGCTGCTACGCTTCACTGCGGGAGGGCACGATCGCTCGGTGGTGCAGTGGAAA
 ATCACCTTAAGTGTCTGGAGGCAGCGGTTTCTTGGGGGTGAAGACTTGACCCATTCTATGGTCTG
 CTGTCTGGTGGCCGGAAGGAAATTTCTACAGGGAGCTAGAAGACTACTTCTACTATTCTCAGCTCCGC
 AGTCAAGGCATCGACACAATGGAGACCAGAAAGGTGTGAGAACACATTTGCCTGTGAGAGCTTCTTTT
 GTCATGAGAGCAATTGGCTTTTACCATCTGAAGAGAAGATTGATGATATATTTAACGAAATCAAATTT
 GGTGAATATGTGGACACTGGAAAGCTAATCGACAAGATCAACTACCAGATTTCTAAAGTGTACCTT
 AACCACAAGCCACCTTTTGGTAACACCATGAGTGGCATCCACAAGAGCTTTGAGGTGCTCGGTTATACC
 AACTCCAAGGGGAAAAAGGCCATTGCAAGAGAGGACTTCTGAGACTGCTCGTTACTAAAGGTGAGCAT
 ATGACGGAGGAGGAGATGTTGGATTGCTTTGCTTCACTGTTTGGCCTGAATCCCGAGGGATGGAAATCC
 GAGCCTGCAACCTGCTCCGTCAAAGTTTCAAGAAATTTGCCTTGAAGAAGAACTCCAGACGAAATCACT
 GCAGAAATATTCGCGACTGAAATTCTTGGCTTAACCATTTCAAGAGATTCGGGCCAGGATGGTCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_144668
Insert Size:	3450 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).
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:

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_144668.5

RefSeq Size: 3785 bp

RefSeq ORF: 3450 bp

Locus ID: 144406

UniProt ID: Q8TBY9

Cytogenetics: 12q24.31

MW: 130 kDa

Gene Summary: This protein encoded by this gene belongs to the WD repeat-containing family of proteins, which function in the formation of protein-protein complexes in a variety of biological pathways. This family member appears to function in the determination of mean platelet volume (MPV), and polymorphisms in this gene have been associated with variance in MPV. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2011]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).