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Product datasheet for RC239556

CCDC108 (CFAP65) (NM_001278295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC108 (CFAP65) (NM_001278295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CFAP65
Synonyms:	CCDC108; SPGF40
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RC239556 representing NM_001278295
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACGGCAATATGGAGGCGATCTTACATTTCTTTGATTTCATCTGAACGTCCAGTTCACAATTGGA
GAGGCAAGAGTGTTCAGAAGAAACAAGCAGAGAGTAAAAGCCAGATAAAGCTCCATACTCAGAGTGCTCC
CTTTGGACTGTGTCCCAAGGACATGATGCTCACCCAGGCTCCAAGCTCCGTCGTGAGGTCCAGGAACAGC
AGGAACCACACCGTGAACTCTGGTGGATCCTGCCTGAGTGCCAGCACAGTGGCCATCCCTGCCATCAACG
ACAGCAGTGCAGCCATGAGTGCCTGCAGCACCATCAGCGCCCAGCCCGCAAGCTCCATGGACACTCAGAT
GCACTCCCCAAAGAAGCAGGAGAGAGTGAACAAGAGGGTCATCTGGGGCATTGAGGTGGCTGAGGAGCTG
CATTGGAAAGGCTGGGAGCTAGGAAAGGAGACCACAAGGAATCTGGTTCTGAAAAATCGATCCTTGAAAC
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TCTGCCGCCCACCATCCCTGCAGCTGCCCATGTGTGCTGTGGGAGATACGACTGAGGCCTTTTTCTGCCT
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CAGAAGCTGTTGTACTTTGGCTCTGTTGCTGTGGGCTGCACCTCGGAGAGGCAGATCAGGCTACACAACC
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AAGTCGTTGGTTTCTGTAGAGGCCCTGCTGTGTCCCTGCAGCACTACTGTGTCAACTTCAGCTGGGTCAA
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GCCATCGACTGCTTGGAGAGTGTCTTTACCATCAGGCCTGCCTTTGGGACGCTGGTGGGCAAGGCCCGTA
TGACCCTGCACTGTGCCTTCCAGCCCACTCACCCCATCATCTGCTTTCGGCGTGTGGCCTGTCTCATCCA
CCACCAGGACCCACTGTTCCTGGACCTGATGGGGACCTGCCACTCGGACAGCACCAAGCCAGCCATCCTG
AAGCCTCAGCACCTCACCTGGTACCGCACACACCTGGCCCGGGGCCTGACGCTCTACCCCCCTGACATCC
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GGGGTGGCAGGAAGTGACCGAGGGCAGCTTCAGGCTCCATCCTCTGCGTGCCAGGCTTTCTCTTGGCTGG
ACAGTGACCCCTATGAGTTTGTCTCCTCCAAAGCTCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239556 representing NM_001278295
Red=Cloning site Green=Tags(s)

METAIWRRSYISLISSERPVHNWRGKSVQKKQAESKSQIKLHTQSAPFGLCPKDMMLTQAPSSVVRSRNS
RNHTVNSGGSCLSASTVAIPAINDSSAAMSACSTISAQPASSMDTQMHSPKKQERVNKRVIWGIEVAEEL
HWKGWELGKETTRNLVLKNRSLKLQKMKYRPPKTKFFFTVIPQPIFLSPGITLTLPIVFRPLEAKEYMDQ
LWFEKAEGMFCVGLRATLPCHRLICRPPSLQLPMCAVGDTTEAFFCLDNVGDLPTFFTWEFSSPFQMLPA
TGLLEPGQASQIKVTFQPLTAVIYEVQATCWYGAGSRQRSSIQLQAVAKCAQLLVSIKHKCPEDQDAEGF
QKLLYFGSVAVGCTSERQIRLHNPSAVNAPFRIEISPDELAEDQAFSCPTAHGIVLPGEKKCVSVFFHPK
TLDTRTVDYCSIMPSGCASKTLLKVVGFCRGPAVSLQHYCVNFSWVNLGERSEQPLWIENQSDCTAHFQF
AIDCLESVFTIRPAFGTLVGKARMTLHCAFQPTHPIICFRRVACLIHHQDPLFLDLMGTCHSDSTKPAIL
KPQHLTWYRTHLARGLTLYPPDILDAMLKEKKLAQDQNGALMIPIQDLEDMPAPQYPYIPPMTEFFFDGT
SDITIFPPPISVEPVEVDFGACPGPEAPNPVPLCLMNHTKGKIMVVWTRRSDCPFWVTPESCDVPPLKSM
AMRLHFQPPHPNCLYTVELEAFAIYKVCARNEREECGVSARSLSGLVGWQEVTEGSFRLHPLRARLSLGW
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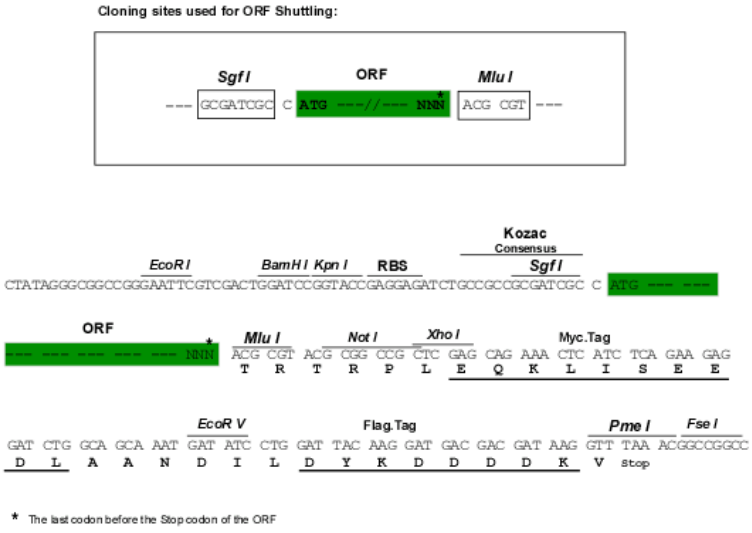
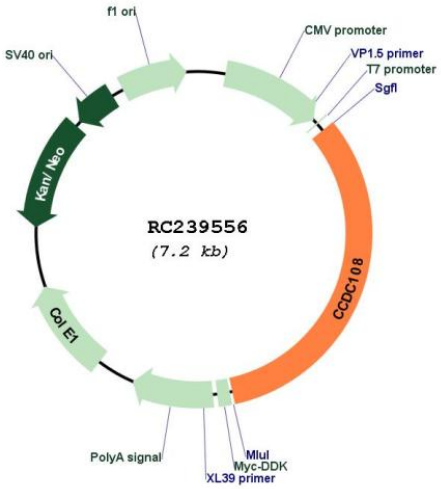
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001278295
ORF Size:	2352 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001278295.1, NP_001265224.1
RefSeq Size:	3336 bp
RefSeq ORF:	2355 bp
Locus ID:	255101
Cytogenetics:	2q35
Protein Families:	Transmembrane

MW: 88.1 kDa

Gene Summary: The protein encoded by this gene has putative coiled-coil domains and may be a transmembrane protein. The chicken ortholog of this gene is involved in the Rose-comb mutation, which is a large chromosome inversion, resulting in altered comb morphology and defects in sperm motility. [provided by RefSeq, Aug 2016]