

Product datasheet for **RC209540**

C2orf3 (GCFC2) (NM_003203) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf3 (GCFC2) (NM_003203) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2orf3
Synonyms:	C2orf3; DNABF; GCF; TCF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209540 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

 ATGGCTCACAGGCCGAAAAGACTTTTCGGCAGCGCGGCTGATTCCAGCGACAGCGATGGCGCCGAGG
AGTCGCCTGCTGAGCCTGGGGCGGCGAGGGAACCTCCGGTCCCGGTTCTGCGGAGGAAGAGCCGCCTC
TGGAGGAGGCCGCGCGCAGGTGGCGGACTGCCCCACCGGTTCCGGGCCCTCGTGGCGGGGCCGGGTC
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CAGGCAGCCCGCAGAAACGTGAATTGGCCAGGGCCCAAGATGACTATATTTCTTTGGATGTACAACATA
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CTAGACCATCTTAATCACTAATTAAAGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209540 protein sequence
 Red=Cloning site Green=Tags(s)

MAHRPKRTFRQRAADSSDSGAEESPAEPGAARELPVPGSAEEPPSGGGRAQVAGLPHRVRGPRGRGRV
 WASSRRATKAAPRADEGSESRITLDVSTDEEDKIHHSSESKDDQGLSSDSSSLGEKELSSIVKIPDAAFI
 QAARRKRELARAQDDYISLDVQHTSSISGMKRESEDDPESEPDDHEKRIPFTLRPQTLRQMAEESISRN
 EETSEESQEDEKQDTWEQQQMRKAVKIIIEERDIDLSCGNGSSKVKKFDTISFPPVNLEIIKKQLNTRLT
 LLQETHRSHLREYEKYVQDVKSSKSTIQNLESSNQALNCKFYKSMKIYVENLIDCLNEKIINIQEIIESS
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 NCNHQEGTSSDDELPSAEMIDFQKSQGDILQKQKKVFEEVQDDFCNIQNILLKFQQWREKFPDSYIEAFI
 SLCIPKLLNPLIRVQLIDWNPLKLESTGLKEMPWFKSVEEFMDSSVEDSKKESSDCKVLSAIINKTIIP
 RLTDVFEFLWDPLSTSQTSLITHCRVILEEHSTCENEVSKSRQDLLKSIVSRMKKAVEDDVFIPLYPKS
 AVENKTSPhSKFQERQFWSGLKLFNILLWNGLLTDDTLQELGLGKLLNRYLIALLNATPGPDVVKCN
 QVAACLPEKWFENSAMRTSIPQLENFIQFLLQSAHKLRSSEFRDEVEEIIILVKIKALNQAESFIGEHH
 LDHLKSLIKED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6355_a06.zip

Restriction Sites: SgfI-MluI

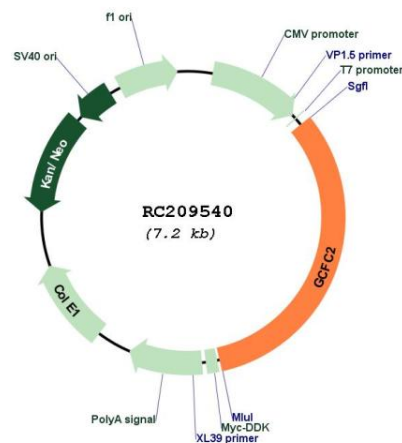
Cloning Scheme:



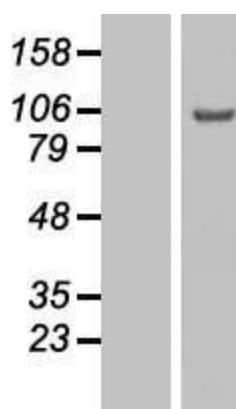
ACCN:	NM_003203
ORF Size:	2343 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003203.5</u>
RefSeq Size:	4455 bp
RefSeq ORF:	2346 bp
Locus ID:	6936
UniProt ID:	<u>P16383</u>
Cytogenetics:	2p12
Protein Families:	Transcription Factors
MW:	89.4 kDa
Gene Summary:	The first mRNA transcript isolated for this gene was part of an artificial chimera derived from two distinct gene transcripts and a primer used in the cloning process (see Genbank accession M29204). A positively charged amino terminus present only in the chimera was determined to bind GC-rich DNA, thus mistakenly thought to identify a transcription factor gene. [provided by RefSeq, Jul 2008]

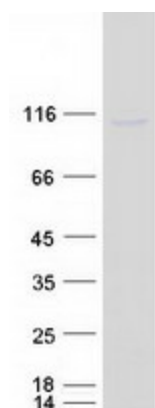
Product images:



Circular map for RC209540



Western blot validation of overexpression lysate (Cat# [LY418836]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209540 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GCFC2 protein (Cat# [TP309540]). The protein was produced from HEK293T cells transfected with GCFC2 cDNA clone (Cat# RC209540) using MegaTran 2.0 (Cat# [TT210002]).