

Product datasheet for **RC204834**

C12orf43 (NM_022895) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf43 (NM_022895) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C12orf43
Synonyms:	Custos
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204834 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCAGTGGCACTGTGAGCGATTCCGAAAGTAGTAACAGCAGTAGCGATGCGGAGGAGCTGG
AGCGGTGCCGCGAGGCGGCAATGCCGGCTTGGGGCTTGGAGCAACGCCGCACGTGGCAGGGAAGCCAAG
AGCCGGTGCTGCAAAATAGCCAGTTGTCAACCTCCAACCGAGCCTCAGGCATAAGGTGAATGAGCATGAA
CAAGATGGCAACGAGCTTCAAGCACCCTGAATTCAGAGCCACGTAGCCAAGAAGCTGGGAGCCCTGC
TGGACAGCTTCATTACCATCTCAGAAGCAGCAAAGGAGCCAGCAAAGCTAAGGTACAGAAAGTCGCTTT
GGAGGATGATGGTTTCCGCCTTTCTTCACATCTGTCCCTGGAGGCCGTGAGAAGGAAGAGTCTCCCAA
CCCCGCCGAAAGCGACAGCCCTCCAGCTCCAGCAGTGAGGACAGTGACGAGGAGTGGCGGCGGTGCCGGG
AGGCAGCTGTGTGCGCGTCCGACATCTACAGGAGTCAGCCATTCACAGCCCTGGAAGTGTGGAGAAGGA
GGCAAAGAAGAAAAGGAAGTTGAAAAAGAAAGCCAAGAAGGTGGCCAGTGTGACTCGGCTGTGCTGCC
ACCACCCACCAGCATGGCCACAGTCCAGAAGCAGAAGTCAGGTGAGCTCAACGGGACCAGGTGTGCG
TTGGGACCAAAAAGAAGAAAAGGCAAAGAAGGCCAGCGAGACCTCTCCATTCACCAGCAAAGAGTGC
TACAGCTATACCTGCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC204834 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPSGTVSDSESSNSSSDAEELERCREAAMPWGLEQRPHVAGKPRAGAANSQLSTSQP SLRHKVNEHE
 QDGNELQTTPEFRAHVAKKLGALLDSF ITISEAAKEPAKAKVQKVALEDDGFRLFFTSVPGGREKEESPO
 PRRKRQPS SSSSEDSDEEWRRCREAAVSASDILQESAIHSPGTVEKEAKKKRKLKKKAKKVASVDSAVAA
 TTPTSMATVQKQKSGELNGDQVSLGT KKKKKAKKASETSPFPKASATAIPAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6425_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022895

ORF Size: 789 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_022895.3](#)

RefSeq Size: 2548 bp

RefSeq ORF: 789 bp

Locus ID: 64897

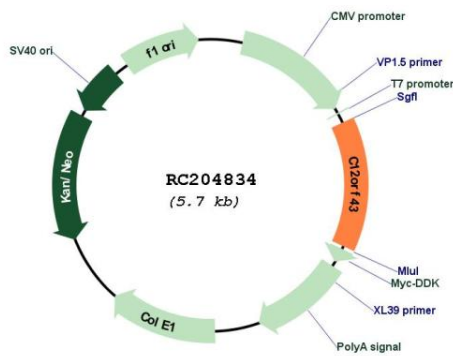
UniProt ID: [Q96C57](#)

Cytogenetics: 12q24.31

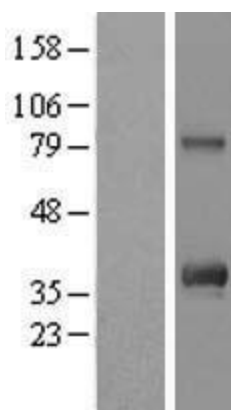
MW: 28.3 kDa

Gene Summary: Plays a role in the regulation of Wnt signaling pathway during early development. [UniProtKB/Swiss-Prot Function]

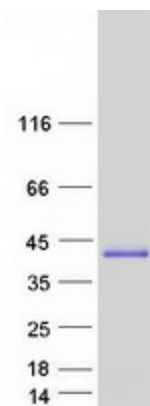
Product images:



Circular map for RC204834



Western blot validation of overexpression lysate (Cat# [LY411468]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204834 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C12orf43 protein (Cat# [TP304834]). The protein was produced from HEK293T cells transfected with C12orf43 cDNA clone (Cat# RC204834) using MegaTran 2.0 (Cat# [TT210002]).