

Product datasheet for **RC236938**

C12orf43 (NM_001286196) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf43 (NM_001286196) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C12orf43
Synonyms:	Custos
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236938 representing NM_001286196 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCAGTGGCACAGTGAAGGAGTTCGGAAAGTAGTAACAGCAGTAGCGATGCGGAGGAGCTGG
AGCGGTGCCGCGAGGCGGCAATGCCGGCTTGGGGCTTGGAGCAACGCCCGCACGTGGCAGGAAGCCAAG
AGCCGGTCTGCAATAGCCAGTTGTCAACCTCCAACCGAGCCTCAGGCATAAGGTGAATGAGCATGAA
CAAGATGGCAACGAGCTTCAGACCACCCCTGAATTCAGAGCCACGTAGCCAAGAAGCTGGGAGCCCTGC
TGGACAGCTTCATTACCATCTCAGAAGCAGCAAAGGAGCCAGCAAAGCTAAGGTACAGAAAGTCGCTTT
GGAGGATGATGGCCGTGAGAAGGAAGAGTCTCCCCAACCCCGCCGAAAGCGACAGCCCTCCAGCTCCAGT
GAGGACAGTGACGAGGAGTGGCGCGGTGCCGGGAGGCAGCTGTGTGGCGTCCGACATCCTACAGGAGT
CAGCCATCCACAGCCCTGGAACAGTGGAGAAGGAGGCAAAGAAGAAAAGGAAAGTTGAAAAAGAAAGCCAA
GAAGGTGGCCAGTGTGACTCGGCTGTGCTGCCACCACCCACCAGCATGGCCACAGTCCAGAAGCAG
AAGTCAGGTGAGCTCAACGGGGACCAGGTGTGCTTGGGACCAAAAAGAAGAAAAGGCAAAGAAGGCCA
GCGAGACCTCTCATTCCACCAGCAAAGAGTGCTACAGCTATACCTGCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236938 representing NM_001286196
 Red=Cloning site Green=Tags(s)

MAAPSGTVSDSESSNSSDAEELERCREAAMPWGLEQRPHVAGKPRAGAANSQLSTSQP SLRHKVNEHE
 QDGNELQTTPEFRAHVAKKLGALLDSF IT I SEAAKEPAKAKVQKVALEDDGREKEESPQPRRKRQPSSSS
 EDSDEEWRRCREAAVSASDILQESAIHSPGTVEKEAKKKRKLKKKAKKVASVDSAVAATTPTSMATVQKQ
 KSGELNGDQVSLGTTKKKKAKKASETSPFPKASATAIPAN

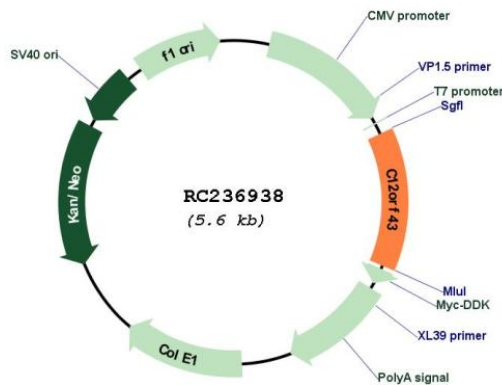
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286196
ORF Size: 753 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:	<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_001286196.2
RefSeq Size:	2515 bp
RefSeq ORF:	756 bp
Locus ID:	64897
UniProt ID:	Q96C57
Cytogenetics:	12q24.31
MW:	27.4 kDa
Gene Summary:	Plays a role in the regulation of Wnt signaling pathway during early development. [UniProtKB/Swiss-Prot Function]