

Product datasheet for **RC235816**

COLCA1 (NM_001302646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLCA1 (NM_001302646) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COLCA1
Synonyms:	C11orf92; CASC12; LOH11CR1F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235816 representing NM_001302646 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCTTGCTCAGTCGCCCAGGCTGGAGTGCTAACCTCTCCTTTCATGTGGAGATGGACAGGGATGG
 CAGGAGCACTGAGTGCTCTTGACAACACCATTGAAGATGATGCTGACGATCAGCTACCCTGTGGAGAAGG
 CAGGCCAGGCTGGGTGAGAGGGGAGCTCCTTGGAAGTCAGGGGGTCTGTAAGGACAGCAAGGATCTCTTT
 GTCCCAACCTCCAGCAGCCTTTATGGGTGCTTCTGTGTGGCCTTGTCTTCTGGGATGGCCATCTCAGTGC
 TGTGCTGGCTAGCGATTTCAGAAAAGTAGATTTTCTAGGCCTGAGCCCTGTTTGTAGAAAGAAGCTTC
 CCTCTGGTTTGTAGCTCAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

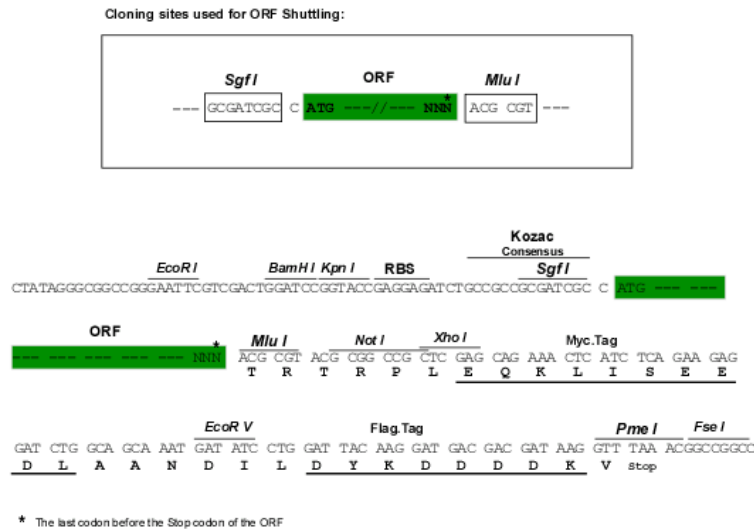
Protein Sequence:	>RC235816 representing NM_001302646 Red=Cloning site Green=Tags(s)
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MESCSVAQAGVLTSPFMWRWTGMAGALSALDNTIEDDADDQLPCGEGRPGWVRGELLGSQGVCKDSKDLF
 VPTSSSLYGCFCVGLVSGMAISVLLLASDFRKLDFSRPEPCFEKEASLWFVAQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:


ACCN: NM_001302646

ORF Size: 372 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: [NM_001302646.1](#), [NP_001289575.1](#)

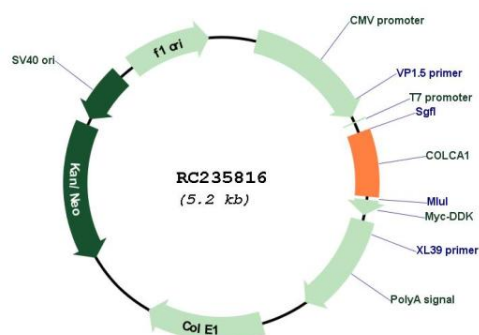
RefSeq Size: 5537 bp

RefSeq ORF: 375 bp
 Locus ID: 399948
 UniProt ID: [Q6ZS62](#)
 Cytogenetics: 11q23.1
 Protein Families: Transmembrane

MW: 13.9 kDa

Gene Summary: This gene encodes a transmembrane protein that localizes to granular structures, including crystalloid eosinophilic granules and other granular organelles. This gene, along with an overlapping opposite strand gene, has been implicated as a susceptibility locus for colorectal cancer. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC235816