

Product datasheet for **RC235818**

COLCA1 (NM_001302648) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COLCA1 (NM_001302648) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: COLCA1
Synonyms: C11orf92; CASC12; LOH11CR1F
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235818 representing NM_001302648
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTCTTGCTCAGTCGCCAGGCTGGAGTGCTAACCTCTCCTTTCATGTGGAGATGGACAGGGATGG
CAGGAGCACTGAGTGCTTTGACAACACCATTGAAGATGATGCTGACGATCAGCTACCCTGTGGAGAAGG
CAGGCCAGGCTGGGTGAGAGGGGAGCTCCTTGAAGTCAGGGGTCTGTAAGGACAGCAAGGATCTCTTT
GTCCCAACCTCCAGCAGCCTTTATGGGTGCTTCTGTGTTGGCCTTGTCTTCTGGGATGGCCATCTCAGTGC
TGTTGCTGGCTAGCGATTTAGAAAAGTATGATTTTCTAGGCCTGAGCCCTGTTTGTAGAAAAGCTTC
CCTCTGTTTGTAGCTCAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235818 representing NM_001302648
Red=Cloning site Green=Tags(s)

MESCSVAQAGVLTSPFMWRWTGMAGALSALDNTIEDDADDQLPCGEGRPGWVRGELLGSQGVCKDSKDLF
VPTSSSLYGCFCVGLVSGMAISVLLLASDFRKLDFSRPEPCFEKEASLWFVAQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

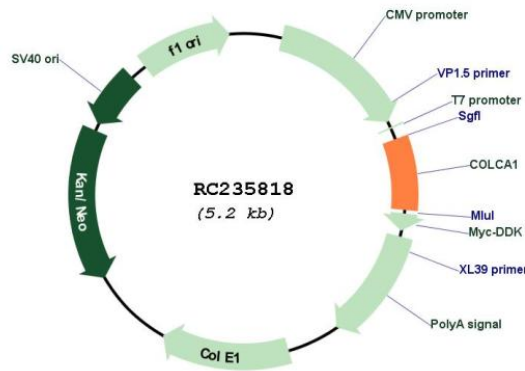


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001302648

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:	<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_001302648.1 , NP_001289577.1
RefSeq Size:	5372 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]