OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC333708

COLCA1 (NM_001302644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLCA1 (NM_001302644) Human Untagged Clone
Tag:	Tag Free
Symbol:	COLCA1
Synonyms:	C11orf92; CASC12; LOH11CR1F
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC333708 representing NM_001302644. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGAGTCTTGCTCAGTCGCCCAGGCTGGAGTGCTAACCTCTCCTTTCATGTGGAGATGGACAGGGATG GCAGGAGCACTGAGTGCTCTTGACAACACCATTGAAGATGATGCTGACGATCAGCTACCCTGTGGAGAA GGCAGGCCAGGCTGGGTGAGAGGGGAGCTCCTTGGAAGTCAGGGGGTCTGTAAGGACAGCAAGGATCTC TTTGTCCCAACCTCCAGCAGCCTTTATGGGTGCTTCTGTGTTGGCCTTGTTTCTGGGATGGCCATCTCA GTGCTGTTGCTGGCTAGCGATTTCAGAAAACTAGATTTTTCTAGGCCTGAGCCCTGTTTTGAGAAAGAA GCTTCCCTCTGGTTTGTAGCTCAACATTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001302644
Insert Size:	375 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.

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RefSeq:	NM_001302644.1
RefSeq Size:	5499 bp
RefSeq ORF:	375 bp
Locus ID:	399948
UniProt ID:	Q6ZS62
Cytogenetics:	11q23.1
Protein Families:	Transmembrane
MW:	13.4 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] Transcript Variant: This variant (1) contains an alternate 5' terminal exon and it thus differs in the 5' UTR, compared to variant 3. All variants (1 through 6) encode the same protein.