

## Product datasheet for **SC333709**

### COLCA1 (NM\_001302645) Human Untagged Clone

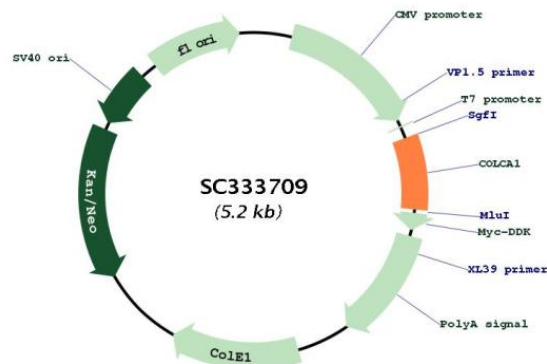
#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COLCA1 (NM\_001302645) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** COLCA1  
**Synonyms:** C11orf92; CASC12; LOH11CR1F  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333709 representing NM\_001302645.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGTCTTGCTCAGTCGCCAGGCTGGAGTGCTAACCTCTCCTTTCATGTGGAGATGGACAGGGATG  
 GCAGGAGCACTGAGTGCTCTTGACAACACCATTGAAGATGATGCTGACGATCAGCTACCCTGTGGAGAA  
 GGCAGGCCAGGCTGGGTGAGAGGGGAGCTCCTTGGAAAGTCAGGGGGTCTGTAAGGACAGCAAGGATCTC  
 TTTGTCCCAACCTCCAGCAGCCTTTATGGGTGCTTCTGTGTTGGCCTTGTCTGGGATGGCCATCTCA  
 GTGCTGTTGCTGGCTAGCGATTTTCAGAAAAGTATGATTTTTCTAGGCCTGAGCCCTGTTTTGAGAAAGAA  
 GCTTCCCTCTGGTTGTAGCTCAACATTA

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001302645



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<b>Insert Size:</b>	375 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001302645.1</a></u>
<b>RefSeq Size:</b>	5366 bp
<b>RefSeq ORF:</b>	375 bp
<b>Locus ID:</b>	399948
<b>UniProt ID:</b>	<u><a href="#">Q6ZS62</a></u>
<b>Cytogenetics:</b>	11q23.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	13.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) 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.</p>