

## Product datasheet for **SC318390**

### CLCA4 (NM\_012128) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLCA4 (NM_012128) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLCA4
Synonyms:	CaCC; CaCC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC318390 representing NM\_012128.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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TCTACGCTGGTATTGTCTGTGATTGGGTCTGTTGAATTGTTAACTTTATTTAAGTACCACCATTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012128

<b>Insert Size:</b>	2760 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_012128.3</a>
<b>RefSeq Size:</b>	3285 bp
<b>RefSeq ORF:</b>	2760 bp
<b>Locus ID:</b>	22802
<b>UniProt ID:</b>	<a href="#">Q14CN2</a>
<b>Cytogenetics:</b>	1p22.3
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other, Transmembrane
<b>Protein Pathways:</b>	Olfactory transduction
<b>MW:</b>	101.3 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Alternative splicing results in multiple transcript variants, only one of which is thought to be protein coding. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>