

## Product datasheet for **SC115226**

### CLIC4 (NM\_013943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC4 (NM_013943) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLIC4
Synonyms:	CLIC4L; H1; huH1; MTCLIC; p64H1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115226 sequence for NM_013943 edited (data generated by NextGen Sequencing)

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ATGGCGTTGTGCGATGCCGCTGAATGGGCTGAAGGAGGAGGACAAAGAGCCCTCATCGAG
CTCTTCGTCAAGGCTGGCAGTGATGGTGAAAGCATAGGAAACTGCCCTTTTCCCAGAGG
CTCTTCATGATTCTTTGGCTCAAAGGAGTTGTATTTAGTGTGACGACTGTTGACCTGAAA
AGGAAGCCAGCAGACCTGCAGAACTTGGCTCCCGGGACCCACCCACATTATAACTTTC
AACAGTGAAGTCAAAACGGATGTAATAAGATTGAGGAATTTCTGAAGAAGTCTTATGC
CCTCCAAGTACTTAAAGCTTTACCAAAAACCCAGAATCAAATACTGCTGGAATGGAC
ATCTTTGCCAAATTCTCTGCATATATCAAGAATCAAGGCCAGAGGCTAATGAAGCACTG
GAGAGGGGTCTCCTGAAAACCTGCAGAACTGGATGAATATCTGAATTCTCTCTCCCT
GATGAAATTGATGAAAATAGTATGGAGGACATAAAGTTTTCTACACGTAAATTTCTGGAT
GGCAATGAAATGACATTAGCTGATTGCAACCTGCTGCCAAACTGCATATTGTCAAGGTG
GTGGCCAAAAAATATCGCAACTTTGATATTCCAAAAGAAATGACTGGCATCTGGAGATAC
CTAACTAATGCATACAGTAGGGACGAGTTCACCAATACCTGTCCCAGTGATAAGGAGGTT
GAAATAGCATATAGTGATGTAGCCAAAAGACTCACCAAGTAA
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Clone variation with respect to NM\_013943.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_013943 unedited</p> <pre> ATCCGACTTCTATAGGGCGGCCGGAATTCGCACGAGGGCGGGGGCGTGGGGCGGTGCT GAGGAGCTGAAGCCGTGGCCAGCTCGACGCCGACAGTCCAGCGAGCAGCACGGCGGGAA CCGGCAGCCGGAGCAGTCCCGGAGCAGAAGCAGCAGCAGCAGCAGCCCTCGCCGTTCC GCGGAGCGCAGCCGAGCCGGCCATGGCGTTGTCGATGCCGCTGAATGGGCTGAAGGAGGA GGACAAAGAGCCCTCATCGAGCTCTTCGTCAGAGCTGGCAGTGGTGAAGCATAGG AAACTGCCCTTTTCCCAGAGGCTCTTCATGATTCTTTGGCTCAAAGGAGTTGTATTAG TGTGACGACTGTTGACCTGAAAAGGAAGCCAGCAGACCTGCAGAACTGGCTCCCGGGAC CCACCCACCATTATAACTTTCAACAGTGAAGTCAAACGGATGTAATAAGATTGAGGA ATTTCTTGAAGAAGTCTTATGCCCTCCCAAGTACTTAAAGCTTTACCAAAAACCCAGA ATCAAATACTGCTGGAATGGACATCTTTGCCAAATCTCTGCATATATCAAGAATTCAAG GCCAGAGGCTAATGAAGCACTGGAGAGGGTCTCCTGAAAACCCTGCAGAACTGGATGA ATATCTGAATTCTCCTCTCCCTGATGAAATTGATGAAAATAGTATGGAGGACATAAAGTT TTCTACACGTAATTTCTGGATGGCAATGAAATGACATTAGCTGATTGCAACCTGCTGCC CAACTGCATATTGTCAAGGGTGGTGGCCAAAAATATCGCAACTTTGATATTNCNAAGAAA TGACTGGCATCTGGAGATACTACTATGCTACATAGGNGCAGTACCATACTGNTCAGTG TTAAGGAGGTGAATGCTATAGTGATGTGCCAAGACTTACAGTAAATCCGTTGTAAGAAG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_013943 unedited</p> <pre> GGGCCAGGTAGAGCACTGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTTCAGGAAAC AGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACCCCAAGTT GTTGTTTTTTTTCATGAGGGGGGAAAAAGAATCCTTTATGATAGTAAAAATATACTTTA TTTTTTAATAACAATAGCTGCCAGCAATATACTGGTNGCTGATGTTCCAAAGATAAAAGAA AATACATGCATTCTATAATAAGCTTTCATTTGCCTGTTCAAGAAATTATAAAGAAAATAC TCCAATTTCTGTTCAACATTACGGCTTGAGGAGTTGAAATTTTTCCATGATAAAAAATATAC TNTTGTGTGGCCAAACCTTGACTATTTATAAAGGATGGGAGTTTTTAAAAGCCCATG TATCAATAATGGATGCTCCCTCTCTTTGAATTAATGCTTAAATTCAAATTAATGCAAG AAATGGGTGAATCATTAAATGATGAAAATGTATCAAATGGTCATGANAAAAACATTTTC TATTTCTCTACATTTTACTTNTGGAGNTATTTCTAAAGGGTTTTAAAGGCACAGAATA AATGCTATCTACATGCACTCTGGAGAGATTCAAACACACCAGAAGTTACATGCCTATCCT AAGAGTATCATTAGTGTAGAATAAAGTCAGAATCTCTTAATGATACAGATGTCAGGA TTTAAGATNAATGGTGAAGCCAAATACCAGAATAAATCTATTTTGATTTTCCACAAGTTT ACAGCCTAGTAAGACACCGACTGTTTGATATTGCTACTAAAAGGGGGGGTGTTTTCACT AGATGGAAGCTTCACTGTGATCAAATTCTAGATTCTGAAAACGANCAATCATTCCNC TGAAACCNAAGGGTAGAGAGGGGGGGGGTNNAAAGAAAAAAATTCCTTTGATCTA CGGGGACGTACGAAACTGCATTTTAAAGTACTCTCAACAAGGGGGGGAGGGA </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_013943
<b>Insert Size:</b>	5100 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>	<a href="#">NM_013943.1</a> , <a href="#">NP_039234.1</a>
<b>RefSeq Size:</b>	4318 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	25932
<b>UniProt ID:</b>	<a href="#">Q9Y696</a>
<b>Cytogenetics:</b>	1p36.11
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>Gene Summary:</b>	Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells). [provided by RefSeq, Jul 2008]