

# Product datasheet for RC205906

## CLIC5 (NM\_016929) Human Tagged ORF Clone

## **Product data:**

### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	CLIC5 (NM_016929) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLIC5
Synonyms:	DFNB102; DFNB103; MST130; MSTP130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC205906 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



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### **Protein Sequence:**

>RC205906 protein sequence
Red=Cloning site Green=Tags(s)

MTDSATANGDDRDPEIELFVKAGIDGESIGNCPFSQRLFMILWLKGVVFNVTTVDLKRKPADLHNLAPGT HPPFLTFNGDVKTDVNKIEEFLEETLTPEKYPKLAAKHRESNTAGIDIFSKFSAYIKNTKQQNNAALERG LTKALKKLDDYLNTPLPEEIDANTCGEDKGSRRKFLDGDELTLADCNLLPKLHVVKIVAKKYRNYDIPAE MTGLWRYLKNAYARDEFTNTCAADSEIELAYADVAKRLSRS

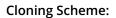
#### TRTRPLEQKLISEEDLAANDILDYKDDDDKV

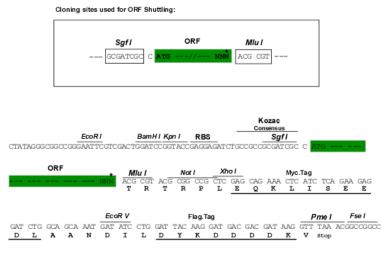
\* The last codon before the Stop codon of the ORF

#### https://cdn.origene.com/chromatograms/mk6034\_e07.zip

Chromatograms: Restriction Sites:

Sgfl-Mlul





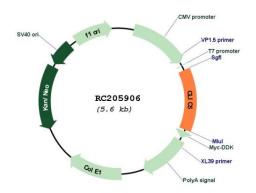
ACCN:	NM_016929
ORF Size:	753 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
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).

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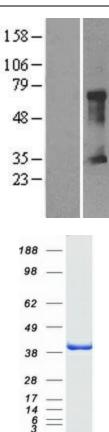
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 016929.5</u>
RefSeq Size:	5752 bp
RefSeq ORF:	756 bp
Locus ID:	53405
UniProt ID:	<u>Q9NZA1</u>
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	28.2 kDa
Gene Summary:	This gene encodes a member of the chloride intracellular channel (CLIC) family of chloride ion channels. The encoded protein associates with actin-based cytoskeletal structures and may play a role in multiple processes including hair cell stereocilia formation, myoblast proliferation and glomerular podocyte and endothelial cell maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

## **Product images:**



Circular map for RC205906

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Western blot validation of overexpression lysate (Cat# [LY402589]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205906 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified CLIC5 protein (Cat# [TP305906]). The protein was produced from HEK293T cells transfected with CLIC5 cDNA clone (Cat# RC205906) using MegaTran 2.0 (Cat# [TT210002]).

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