

Product datasheet for RC204727L1

CLIC2 (NM_001289) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	CLIC2 (NM_001289) Human Tagged Lenti ORF Clone					
Tag:	Myc-DDK					
Symbol:	CLIC2					
Synonyms:	CLCNL2; CLIC2b; MRXS32; XAP121					
Mammalian Cell Selection:	None					
Vector:	pLenti-C-Myc-DDK (PS100064)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204727).					
Restriction Sites:	Sgfl-Mlul					
Cloning Scheme:						
	Cloning sites used for ORF Shuttling:					
	Sgf1 ORF Mlu I GCG ATC GC ATG NNN ACG CGT					

					Koza Consen			
EcoR I	Bam	ні	RBS		Sg	af I		ORF
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG								
			Notl _X	_Xho I		Myc.Tag		
NNŇ	ACG CGT T R	ACG CGO	G CCG CTC P L	GAG	CAG AAA Q K	CTC ATC	TCA GAA S E	GAG E
DDK.Tag								
GAT CTG GCA GCA AAT GAT ATC C DLAANDI	TG GAT TA L D Y	CAAGGAT K D	GAC GAC G D D	D K	G GTT TAA V Stop	ACGGCCG	GCC	
* The last codon before the Stop c	odon of th	e ORF.						

ACCN: ORF Size: NM_001289 741 bp



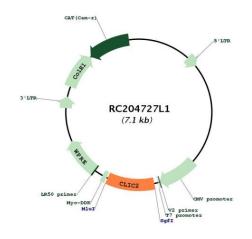
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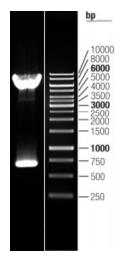
ORIGENE CLIC2	(NM_001289) Human Tagged Lenti ORF Clone – RC204727L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. 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).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM 001289.4</u>
RefSeq Size:	2694 bp
RefSeq ORF:	744 bp
Locus ID:	1193
UniProt ID:	<u>015247</u>
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	28.4 kDa
Gene Summary:	This gene encodes a chloride intracellular channel protein. 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. This protein plays a role in inhibiting the function of ryanodine receptor 2. A mutation in this gene is the cause of an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]

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Product images:



Circular map for RC204727L1



Double digestion of RC204727L1 using Sgfl and Mlul

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