

Product datasheet for **RR206112**

Clca1 (NM_001107449) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clca1 (NM_001107449) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clca1
Synonyms:	Clca3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206112 representing NM_001107449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence: >RR206112 representing NM_001107449
 Red=Cloning site Green=Tags(s)

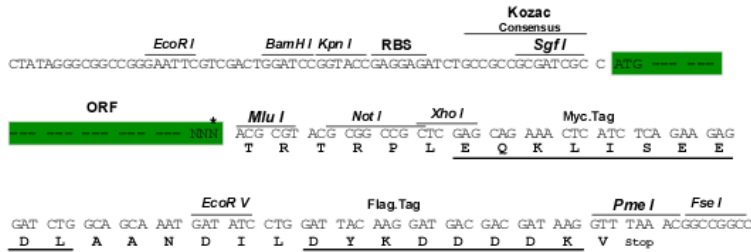
MGSLKSPVFLLVLYLLEGLVSNLSLIQLNNGYEGIVIAIDHDVPEDEALIQRIKDMVTQASPYLFEATGK
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 LTWTAPGDDYDHGRASSYIIRISTIVDLRNNFSTSLEVNNTDLIPKEASSEMFEFELDNSFGNGTDV
 IAIQAVDKSNLKSEISNIARVSLFIPAQEPPEDSTPSYPEVSINSTIPGIHVLNI VWKWL GEMHVTGLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:

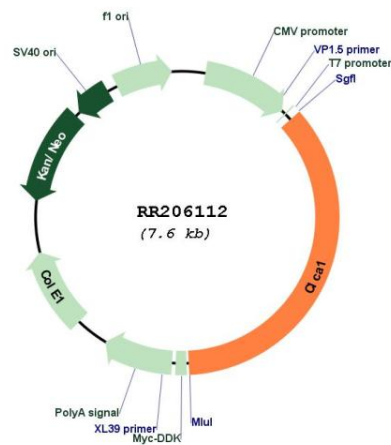


* The last codon before the Stop codon of the ORF

ACCN: NM_001107449

ORF Size:	2730 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. More info
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:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001107449.1, NP_001100919.1</u>
RefSeq Size:	3608 bp
RefSeq ORF:	2733 bp
Locus ID:	308015
Cytogenetics:	2q44
MW:	99.8 kDa

Product images:



Circular map for RR206112