

Product datasheet for **MR214054**

Clrn2 (NM_001163317) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Clrn2
Synonyms:	EG624224
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR214054 representing NM_001163317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTGGATGGTTCAAAAAGGTGTGGTACGGGCTGGCATCTCTACTCAGTTTCTCATCCTTCCTTCTGA
TCATCGTCGCTTTGTCTCTGCCTCATTGGCTGAGTGGGAAATCTTGTGTGAGACTGGAGTGGATTTGGT
CAATGCCACAGACCCAGAACTGGTCAAATTCATCGGGACATTTACTACGGGCTCTTCCGAGGATGCAAG
GTGCGGCAATGCGGACTTGGGGGACGCCAGTCCCAATTTACAATCTTCCGCATCTGGTGAAGGAGCTCA
ATGCAGGCCTCCACGTCACAATTCTCTTGCTCCTCTTCTGGCGTTGGCCCTGGCTCTGGTCAGCATGGG
TTTTGTATTCTCAACATCATTAGGTCCCTACAGAGCAGTCAATGGCCCTGGTGGCATCTGCCTTTGG
AATGTCCTCGCAGGTGGAGTCGTGGCACTAGCCATCGGCAGCTTCATGGCTGCGGTGAAATTTACGACC
TGACAGAAAGGATCGCCAACTTCCAGGAGAGGCTCTTTCAGTTTGTAGTGGTGAAGAACAGTATGAAGA
ATCATTTTGGATATGCGTGGCGAGCGCCTCAGCCACGCAGCAAATTTGGTTGTGGTGGCAATCAGTCAA
ATTCCTTCCAGAAATCAAGACTAAATGGAAGAGGCCACAGTTACCCCGGAGGACATTTTATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214054 representing NM_001163317
 Red=Cloning site Green=Tags(s)

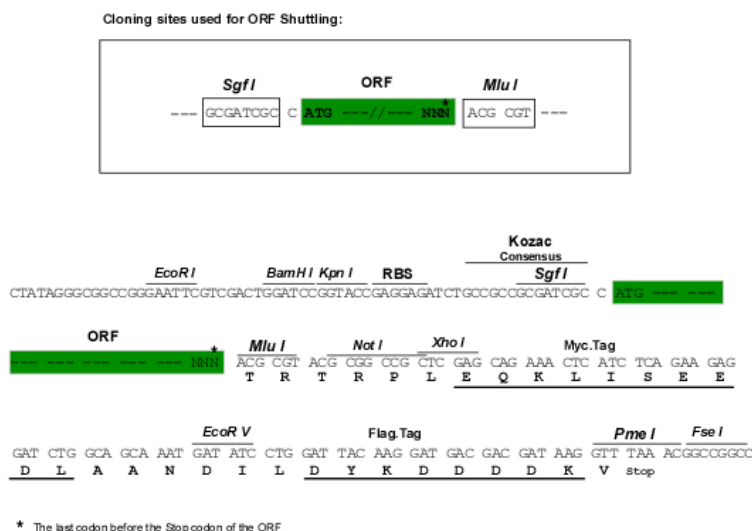
MPGWFKKVYGLASLLSFSSFLIIIVALLSPHLWSGKILCQTGVLDVNAATPELVKFIGDIYYGLFRGCK
VRQCLGGRQSQTIFPHLVKELNAGLHVITLLLLFLALALALVSMGFAITLNIQVPPYRANGPGGICLW
NVLAGGVVALATGSFMAAVKFHDLTERIANFQERLFQFVVVEEQYEEFSWICVASASAHAAANLVVAISQ
IPLPEIKTKMEEATVTPEDILY

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163317

ORF Size: 696 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001163317.1](#), [NP_001156789.1](#)

RefSeq Size: 944 bp

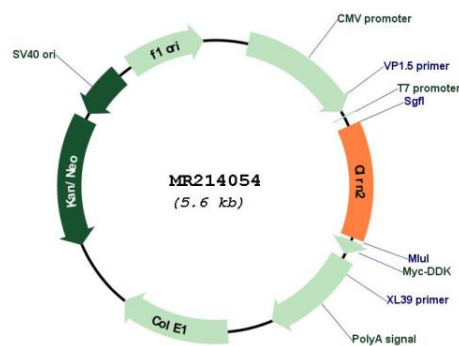
RefSeq ORF: 699 bp

Locus ID: 624224

Cytogenetics: 5 B3

MW: 25.9 kDa

Product images:



Circular map for MR214054