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Product datasheet for RR212863

Clcn3 (NM_053363) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn3 (NM_053363) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcn3
Synonyms:	ClC-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR212863 representing NM_053363
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCTGAGCAGCTGTTCCATAGAGGCTACTATAGAAACAGCTACAACAGCATAACGAGCGCGAGTA
GCGATGAGGAGCTCCTAGATGGAGCAGGTGCTATTATGGACTTTCAGACTTCCGAAGACGACAATTTGTT
AGACGGTGACACAGCAGCTGGAACTCATTATACAATGACAAATGGAGGCAGCATTAACAGCTCCACACAC
TTGCTGGATCTTTTGGATGAGCCCATCCCAGGTGTCGGTACATACGATGATTTCCATACTATTGACTGGG
TGCGAGAAAAGTGTAAGGACAGAGAAAGGCACAGACGGATCAACAGTAAAAAAAAAGAATCAGCATGGGA
AATGACAAAAAGTCTATATGATGCTTGGTCAGGATGGCTTGTAGTTACACTGACGGGATTGGCGTCAGGG
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CATTGTGGTACAACCATGAACAGTGTTGTTGGGGCTCTAATGAGACGACGTTTGAAGAGAGGGATAAATG
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ATCCTCCTCTCTTTGTGACTACAGAAATGACATGAATGCCAGTAAAATTGTTGATGATATTCCTGACCGA
CCAGCAGGCGTTGGAGTATATTCAGCTATCTGGCAGTTGTGCCTAGCACTCATATTTAAAATAATAATGA
CAGTATTCACTTTTGGTATCAAGGTCCCGTCGGGCCTGTTTATCCCCAGCATGGCGATCGGAGCCATTGC
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TTATAACAAAAAAAGATATCCTCCGTCATATGGCCCAGACGGCAAACCAAGACCCCGCTTCAATAATGTT
CAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

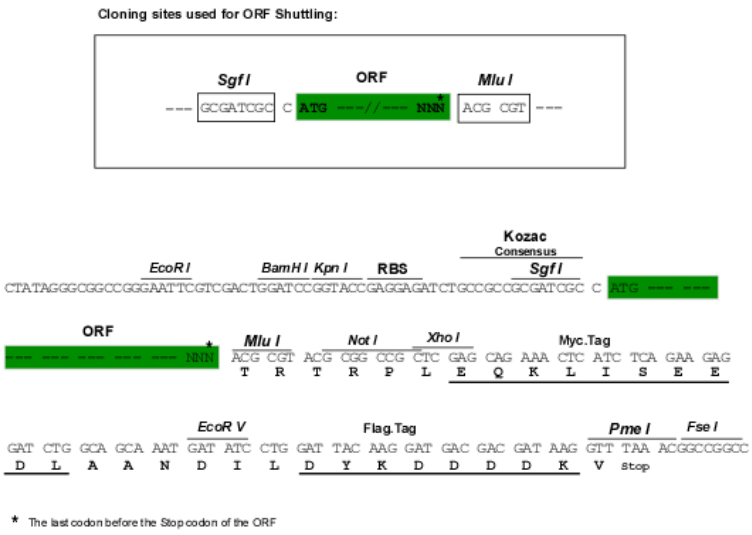
>RR212863 representing NM_053363
Red=Cloning site Green=Tags(s)

MESEQLFHRGYYRNSYNSITSASSDEELLDGAGAIMDFQTSEDDNLLDGDTAAGTHYTMTNGGSINSSTH
LLDLLDEPIPGVGTYDDFHTIDWVREKCKDRERHRRINSKKKESAWEMTKSLYDAWSGWLVVTLTGLASG
ALAGLIDIAADWMTDLKEGICLSALWYNHEQCCWGSNETTFEERDKCPQWKTWAELIIGQAEGPGSYIMN
YIMYIFWALSFAFLAVSLVKVFAPYACGSGIPEIKTILSGFIIRGYLGKWTLMIKTITLVLAVASGLSLG
KEGPLVHVACCCGNIFSYLFPKYSTNEAKKREVLSAASAAGVSVAFGAPIGGVLFSLEEVSYYFPLKTLW
RSFFAALVAAFVLRSINPFGNSRLVLFYVEYHTPWYLFELFPFILLGVFGGLWGAFFIRANIAWCRRRKS
TKFGKYPVLEVIIVAAITAVIAFPNPYTRLNTSELIKELFTDCGPLESSSLCDYRNDMNASKIVDDIPDR
PAGVGVYSAIWQLCLALIFKIIMTVFTFGIKVPSGLFIPSMAIGAIAGRIVGIAVEQLAYYHHDWFIFKE
WCEVGADCITPGLYAMVGAAACLGGVTRMTVSLVVIVFELTGGLEYIVPLMAAVMTSKWVGDAFGREGIY
EAHIRLNGYPFLDAKEEFTHTTLAADVMRPRRSDPPLAVLTQDNMTVDDIENMINETSYNGFPVIMSKES
QRLVGFALRRDLTIAIESARKKQEGVVGSSRVCFAQHTPSLPAESPRPLKLRSILDMSPFTVTDHTPMEI
VVDIFRKLGLRQCLVTHNGRLLGIITKKDILRHMAQTANQDPASIMFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053363

ORF Size: 2454 bp

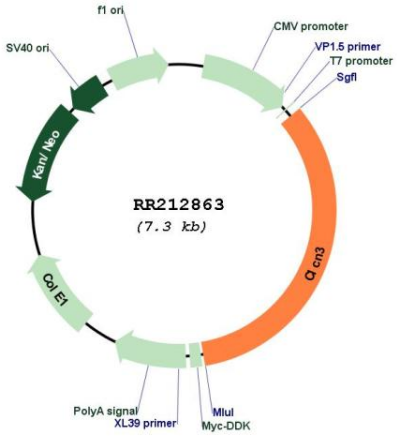
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_053363.2, NP_445815.2
RefSeq Size:	3826 bp
RefSeq ORF:	2457 bp
Locus ID:	84360
UniProt ID:	P51792
Cytogenetics:	16p12
MW:	90.9 kDa
Gene Summary:	mediates transepithelial chloride transport [RGD, Feb 2006]

Product images:



Circular map for RR212863