

Product datasheet for **RR213002**

Chn1 (NM_032083) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chn1 (NM_032083) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213002 representing NM_032083 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATCCAAAGAGTCCTGGTCGGGGAGGAAAATAATAGAGCTACAGTTCACAAATCAAACCAAGAGG
GCCGTCAGCAAGATTTATTGATAGCAGCCTTGGGAATGAACTGGGTTCTCAAAAGTCGTCTGTGACAAT
CTGGCAACCTCTGAAACTCTTTGCTTATTCGCAGTTGACATCACTTGTAGAAAGCAACTCTGAAAGAA
AATGAACAAATTCAAAAATATGAGAAGGTTACAATTTCAAGGTGCATACGTTCCGAGGGCCACACTGGT
GTGAATACTGTGCCAACTTCATGTGGGGCCTCATTGCTCAGGGAGTGAAATGTGCAGATTGTGGTTGAA
TGTTTCATAAGCAGTGTTCCAAGATGGTCCCAATGACTGTAAGCCAGACCTGAAGCACGTGAAGAAGGTG
TATAGCTGTGACCTGACAACACTCGTAAAGCTCACATCACCAAGAGGCCCATGGTGGTAGACATGTGCA
TCAGGGAGATCGAGTCCAGAGGTCTGAATTCTGAAGGACTCTACCGAGTGTGGGATTTAGTGACCTAAT
TGAAGACGTCAAGATGGCTTTTGTAGAGACGGTAAAAGGCGGATATTTCTGTGAACATGTATGAGGAC
ATCAACATTACTGGAGCGCTTAACTGTACTTCAGGGATCTGCCAATTCCTCTCATCACCTACGATG
CCTACCCCAAGTTCATAGAGTCTGCCAAAATTGTGGACCCTGATGAGCAACTGGAGACCCTTCATGAAGC
ACTGAGGTCTCTGCCGCCGCCACTGCGAGACGCTCCGGTACCTCATGGCACACCTCAAGAGAGTGACC
CTTCACGAGAAGGAGAATCTGATGAGTGCAGAGAACCTTGGGATCGTGTGGTCCAACCCTCATGAGAT
CACCAGAGCTAGACCCCATGGCCGCCCTGAACGACATACGCTATCAGAGACTGGTGGTGGAGCTGTTAT
CAAAAATGAAGACATTTTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR213002 representing NM_032083
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MPSKESWSGRKTNRATVHKSNOEGRQQDLLIAALGMKLGSKSSVTIWQPLKLFAYSQLTSLVRRATLKE
 NEQIPKYEKVHNFKVHTFRGPHWCEYCANFMWGLIAQGVKCADCLNVHKQCCKMVPNDCKPDLKHVKV
 YSCDLTTLVKAHITKRPVVDMCIREIESRGLNSEGLYRVSGFSDLIEDVKMAFDRDGEKADISVNMVED
 INIITGALKLYFRDLPIPLITYDAYPKFIESAKIVDPDEQLETLHEALRSLPPAHCETLRYLMAHLKRVT
 LHEKENLMSAENLGIVFGPTLMRSPELDPMALNDIRYQRLVVELLIKNEDILF

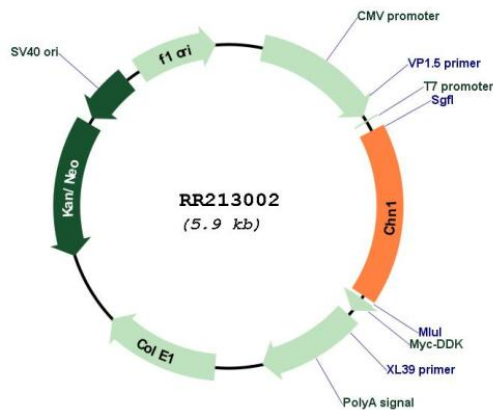
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032083

ORF Size:	1002 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:	NM_032083.1 , NP_114472.1
RefSeq Size:	2309 bp
RefSeq ORF:	1005 bp
Locus ID:	84030
UniProt ID:	P30337
Cytogenetics:	3q23
MW:	38.2 kDa
Gene Summary:	expressed only in neurons; may mediate neuronal signal transductions; human homolog functions as GTPase-activating protein (GAP) for p21rac and phorbol ester receptor [RGD, Feb 2006]