

Product datasheet for **RR209283**

Ntng1 (NM_001106465) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_001106465) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ntng1
Synonyms:	RGD1563465
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209283 representing NM_001106465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTTGTCAAGATTCCTGTGCTGATTCATGCCCTGTGGTTACAGTGTCTCTGTGATGCAGCCTTACC
 CTTTAGTGTGGGACATTATGATGTGTGTAAAACCTCAGATTTACACGGAAGAAGGAAAGTTGGGATTA
 CATGGCCTGCCAGCCAGAAATCCACGGACATGACAAAATATCTGAAAGTAAAACCTGGATCCTCCGGATATT
 ACCTGTGGAGACCCGCCAGAGTCATTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG
 CGAGTACCCCGAACTGGCACACCCTCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT
 TTGGCAGTCTGCTACTTGAAGGAATACCCAAACCTCTCCAGTTAACATCACTCTGTCTGGAGCAAA
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGATCAAATGATCCTAGAGA
 AATCTCTGGATTACGGACGAACATGGCAGCCCTATCAGTATTACGCCACGGACTGCCTACATGCATTCCA
 CATGGACCCGAAATCCGTGAAGATTTATCCAGCACACGGTCTTAGAAATCATTTCACAGAAGAGTAC
 TCCACTGGTACTCCACAATAGCAAAATATCCACTTCGAGATCAAAGCAGGTTTGCATTTTTGCTG
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAACTCAGAGATTTCTT
 CACAGTACCGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGAAATATTTGTAGATGAACTACAT
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA
 CCATGTGTGTGTATGACAACAGCAAACTGACATGTGAGTGCAGCACAACACTACAGTCCAGACTGTGG
 GAAGTGAAGAAGAAATTACAGGGCCGACCGTGGAGTCCAGGCTCATACCTCCCCATCCCCAAAGGCACC
 GCTAACACCTGTATCCCCAGCATTTCAGTATTGGTAACTGTGAATGCTTCGGCCACTCCAATCGGTGCA
 GTTATATCGACTGCTAAACACAGTCATTTGCGTGAGCTGTAACACAACACTAGAGGGCAGCAGCTGTGA
 GTTATGACAGGCTGGGCTACTTCAGAAATGCTTCTGCACAGCTGGACGATGAGAATGTGTGCATAGAGTGT
 TATTGTAACCCCTTTGGGCTCAATCCATGATCGTTGTAATGGCTCAGGATTTTGTGAGTGTAAAGCTGGAA
 CGACAGGGCTAAATGTGATGAGTGTCTGCCAGGAAATCCTGGTACTACGGCTGTCAACCTAATGTCTG
 CGACAATGAGCTCCTGCACTGCCAGAAATGGAGGGACCTGCCACAACAATGTGCGCTGTGTGTGCCAGAC
 GCCTACACCGGCATCCTCTGTGAGAAGCTACGGTGCAGAGGGCGGGCAGCTGTGGCTCCGACTCTGGCC
 AGGGAGCACCCCGGGGCTCCCTGCACTGCTGCTGCTGACCGTGTGCTGGGACTGCCAGTCCCT
 GGTTTTC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR209283 representing NM_001106465
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTVSSVMQPYPLVWGHYDVCKTQIYTEEGKVWDYMACQPESTDMTKYLKVKLDPPDI
 TCGDPPESFCAMGNPYMCNNECDASTPELAHPPELMDFEGRHPSTFWQSATWKEYPKPLQVNIITLSWSK
 TIELTDNIVITFESGRPDQMILEKSLDYGRWQPYQYYATDCLHAFHMDPKSVKDLSQHTVLEIICTEY
 STGYSTNSKIIHFEIKDRFAFFAGPRLRNMASLYGQLDITTKLRDFFTVTDLRIRLLRPVGEIFVDELH
 LARYFYAISDIKVRGRCKNLHATMCVYDNSKLTCECEHNTTGPDCGKCKNYQGRPWSPGSYLP
 ANTCIPSISSIGNCECFGHSNRCSYIDLNTVICVSKHNTRGQHCELCRLGYFRNASAQLDDENVCIEC
 YCNPLGSIHDCNNGSGFCECKTGTTPKCECLPGNSWYGCQPNVCDNELLHCQNGGTCHNNVRCVCPD
 AYTGILCEKLRCEEAGSCGSDSQGAPPRGSPALLLLTVLLGTASPLVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

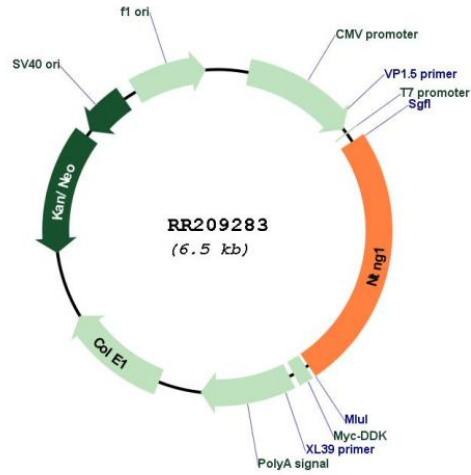
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001106465
ORF Size:	1617 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_001106465.1 , NP_001099935.1
RefSeq Size:	5085 bp
RefSeq ORF:	1620 bp
Locus ID:	295382
Cytogenetics:	2q41
MW:	60.6 kDa