

Product datasheet for **RR210460**

Gnl3 (NM_175580) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnl3 (NM_175580) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnl3
Synonyms:	Ns
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210460 representing NM_175580
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGGCCGAAGTTAAAGAAAGCAAGTAAACGTATGACCTGTCATAAGCGGTATAAAATCCAGAAAA
 AGGTTTCGAGAACATCATCGAAAATTAAGGAAGGAAGCTAAAAAGCGGGTCAAGAAGCCTAAGAAGGA
 CCCAGGAGTTCAAATAGTGCTCCCTTTAAAGAGGCTCTTCTCGTGAAGCTGAGCTAAGGAAACAGCAG
 CTTGAAGAATAAAACAGCAGCAGAAAATTGACAGGCAAAAAGAACAAGAACGAAAAAGAAAATTGAAA
 TTAGCCCTGATGATGAGCAATCTAATGTGGAACTCAGGAGGAATCTGATGAGCCAAAAATAAGAAAGC
 TAAATCAGGCAACAGAAATCAAAGAAGTTACATTGTCAGGAACCTAAAAAGGTGATTGAAGCCTCAGAC
 ATTGTGTTAGAAGTTTTGGATGCCAGAGATCCTTGGTTGCAGGTGCTCAAGTAGAAGAAGCTGTTA
 TCCAAAGTGGATGAAAAAACTAGTACTTGTATTAATAAGTCAGATCTAGTACCAAAAGAGAATCTAGA
 GAACTGGCTAACTTACTGAATAAGGAATTGCCAACAGTGGTGTCAAAGCCTCAACAACTTAAAGAAC
 AGAAAGAAGACATTCAAGATAAAGAAGAAAGTTGTTCCATTCAAAGTAACTCTGCTGTGGCAAGGAAG
 CACTGTGGAAGCTCCTTGAGGTTTTTCAGCAGTCTGTGGAAGGAGTTGAGTTGGAGTGGTTGGTTT
 CCCAAATGTGGGAAAAGCAGCATCATTAAATAGTTTAAACAAGAAAGGATTTGCAGTGTGGAGTTTCC
 ATGGGACTTACAAGGAGTATGCAGATTGTCCTTTAGACAACAGATCACAATCATAGATAGTCCGTGCT
 TCATTATCTCACCTTGAACCTCCCTGCTGCACCTGCCCTCCGAAGTCCAGCAAGTATTGAAGTTCTAAG
 ACCATTGGAGGCTGCCAGTGCATCCTGTCTCAGGCTGATAGTCAACAGGTGGTGTAAAATATACTGTC
 CCGGGGTATAAGGATTCTCTGGATTTTTTACTAACTTGCTCAGAGAAGAGGTGTCACCAAAAAGGTG
 GAAGCCCAAATGTCGAAAGTGTGCTAAGCTGCTATGGTCTGAGTGGACAGGTGCCTCATAGGTTACTA
 CTGCCATCCCCCTGCATCCTGGAATCATTCTCCTCATTTTAATGAGAATATTACAGCAATCATGAAGAGG
 GGCTTTAATCTAGAAGAACTAGAAAAGAATAATGCACACAGCATACAAGTCTCAAGGGCCCTATTAA
 CTAATAAAATCCTTTCCGGTCTTCGGGCTGACAAATGGAATACTAGAAGAAAAGGACATCCCCGAAGA
 GTCACCAAAAACAGACAGAAGACCAACAGGATGGTATGATCAAGAACATGTTACTGGTGAATAAATGCA
 GAGATCTCAGATGTGACTCCTGTAGAAGAGACCAGGGAGATGTCACCTGGGCAATCAACAGCAAGTAAAC
 CATCTGACAGATCCTTTATCTGGATAAAATGAGTGAAGAAGACGATGCCTATGACTTTACCACAGATTA
 TATA

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR210460 representing NM_175580
 Red=Cloning site Green=Tags(s)

MKRPKLKKASKRMTCHKRYKIQKKVREHHRKLKEAKKRGHKKPKKDPGVPNSAPFKEALLREELRKQQ
 LEELKQQKLDROKEQERKRKLEISPDDEQSNVETQEESEPKIKKAKSGKQNPKKLHCQELKVKVIEASD
 IVLEVLDARDPLGCRCPQVEEAVIQSGCKKLVLNKSDLVPKENLENWLTYNKELPTVVFKASTNLKN
 RKTTFKIKKKVVPFQSKLCCGKEALWKLGGFQQSCGKGVQVGVVGFVNVGKSSIINSLKQERICSVGVS
 MGLTRSMQIVPLDKQITIIDSPCFIISPCNSPALALRSPASIEVLRPLEAASAILSQADSQQVVLKYTV
 PGYKDSLDFFTKLAQRRGLHQKGGSPNVESAALLWSEWTGASLGYCHPPASWNHSPHFNENITAIMKR
 GFNLEELEKNNAHSIQVLKGPLTNKILFRSSGLTNGILEEKDIPPEESPKQTEDQQDGDDEHVTGEKNA
 EISDVTPVEETREMSPGQSTASKPSDRSIFLDKMSEDDAYDFTTDYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

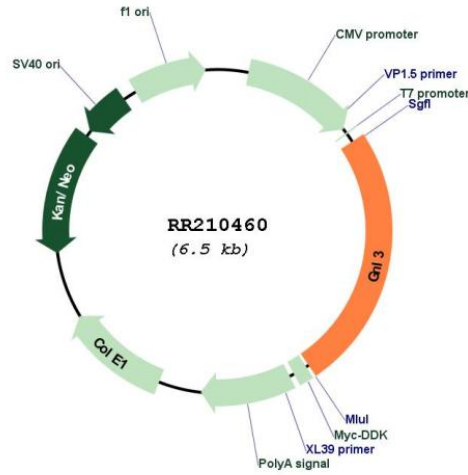
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_175580
ORF Size:	1614 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_175580.2 , NP_783170.1
RefSeq Size:	1810 bp
RefSeq ORF:	1617 bp
Locus ID:	290556
UniProt ID:	Q811S9
Cytogenetics:	16p16
MW:	60.7 kDa
Gene Summary:	involved in controlling cell proliferation in stem cells and cancer cells [RGD, Feb 2006]