

Product datasheet for **RR212217**

Gnl3l (NM_001081958) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnl3l (NM_001081958) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnl3l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212217 representing NM_001081958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGAAGCTTAGACACAAAAACAAAAACCAGTAAAGTTCTAAAGGCTGTAAGAAGCCCGCAAGGC
 AAAATGGGAAGAAAGTAACGTCCAGACCATCATCTGCTCCCAGATTGTTTCATGGCAATGACCATGCCAG
 TCGGGAGGCCGAATTAAGAAGAAAAAGGTTGAAGAGATGAGGGAGAAGCAGCAGGTTGCTCGGGAGCAA
 GAGAGACAAAGACACAGGACCATGGAGAGCTATTGTCAGGATGTCCTGAAACGTCAGCAGGAGTTTGAAC
 AAAAGGAAGAAGTTTTCAGGAATTAATATGTTTCTCAGTTGGATGATGAGGCCACAAGGAAGCCTA
 TTATAAGGAATCCGGAAGGTGGTAGAGTACTCTGATGTGATTCTGGAAGTCTAGATGCTAGAGACCCA
 TTGGGCTGCCGGTGTTCAGATGGAGGAGACTGCTTTCGTGCAGAAGGCAACAAGAAGCTGGTCTTGG
 TCTTGAATAAGATAGACCTGGTCCCAAGGAGATTGTGAAAAGTGGCTGGAATACCTTCGCAATGAACT
 GCCGACTGTGGCTTTCAAGGCCAGCACACAGCATCATCAGGTCAAAAACCTTGACTCGGTGTAAGTTCCA
 GTGGACCAGGCCTCTGAGTCACTGTTGAAAAGCAAAGCCTGCTTTGGAGCTGAAAACCTCATGAGGGTCC
 TGGGGAACACTGTCGTCTGGGGAAATACGTGGCCACATTTCGTGTGGGTGTTGTAGGCCTTCCCAATGT
 GGGGAAGAGCAGTCTGATCAATAGCCTGAAGCGCAGCCGTGCGTGTAGTGTGGGAGCTGTTCTGGTGTG
 ACAAAATTCATGCAGGAGGTCTACCTAGACAAGTTTATCAGGCTGCTGGATGCACCAGGCATTGTCGCAG
 GACCAATTCAGAGGTGGCACCATCCTGCGTAATTGCATCCATGTGCAGAAGCTGGCAGACCCTGTGAC
 CCCGGTGGAGACCATCCTCAGCGCTGCAACCTGGAGGAGATTTCCAATATTATGGTGTGTCTGGATTC
 CAGACTACTGAGCACTTCTGACTGCAGTGGCCCATCGTTTGGAAAGAAGAAGAAGGAGGTGTCTATA
 GTCAAGAACAGGCTGCCAAAGCTGTGCTGGTACTGGGTGAGTGGGAAGATCAGTTCTATACGCCACC
 ACCGCCACTCACACTCTGCCACCCATCTCAGTGTGAGATTGTTAAGGAGATGACTGAGGTCTTTGAT
 ATAGAAGACACTGAGCAGGCCAATGAAGATACCATGGAATGCTTAGCCGTGGGAGAAATCCGATGAGCTGT
 TGGGTGACATGGACCCCAAGAAATGGAGTCAAGTGGCTCCATTCTCCACTGGTAAAAATAGCAGATGC
 CATTGAAAATAAAACCACCGTGTATAAGATTGAAATCTCACTGGGTATTGTACCAAACCAACCGTCAT
 CAGATGGGGTGGCCTAACGCAATGTGGACCACCATGCCCCAAAATAACCGTGTAGTGGAAAGTCAAGT
 CAGTGGACCGCCCGGATGTTGCAGAGGATCCTGGAGACAGACCCTCAACAAGGCCAGGCACTGGC
 ATCTGCCTTGAAGAATAAGAAAAAATTGCAGAAGCGTTTCAGATAAAATCGCCACTAAGTTGTCTGACTCC
 ATGATGTCTATGCTTGACCTCTCTGGCAATTCTGATGACTGTGCTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212217 representing NM_001081958
 Red=Cloning site Green=Tags(s)

MMKLRHKNKPKGKSGKCKKPARQNGKKVTSRPSSAPQIVHGNDHASREAEKKKRVEEMREKQQVAREQ
 ERQRHRTMESYQDVLKRQEFQKEEVLQELNMFQQLDDEATRKAYYKEFRKVVVEYSDVILEVLDARDP
 LGCRCFQMEETVLAEGNKKLVLVNLKIDLPKEIVEKWLEYLRNELPTVAFKASTQHHQVKNLTRCKVP
 VDQASESLLKSKACFGAENLMRVLGNVCRLGEIRGHIRVGVVGLPNVGKSSLINSLKRSRACSVGAVPGV
 TKFMQEVYLDKFIIRLLDAPGIVAGPNSVGTILRNCIHVQKLADPVTPVETILQRNLEEISNYGVVSGF
 QTTEHFLTAVAHRLGKKKGGVYSQEAQAVLADWVSGKISFYTPPPHTLPTHLSAEIVKEMTEVFD
 IEDTEQANEDTMECLAVGESDELLGDMDPQEMEVRWLHSPLVKIADAIENKTTVYKIGNLTGYCTKPNRH
 QMGWPKRNVDDHCPQNNRVVEVSSVDRRPMQLRILETDPLQQGQALASALKNKKLQKRSDKIATKLSDS
 MMSMLDLSGNSDDCADD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1731 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_001081958.1 , NP_001075427.1
RefSeq Size:	1810 bp
RefSeq ORF:	1734 bp
Locus ID:	100034253
Cytogenetics:	Xq12
MW:	65.3 kDa