

## Product datasheet for **RR214538**

### Glmn (NM\_001105993) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glmn (NM_001105993) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glmn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR214538 representing NM\_001105993  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGTGGAGAACTTCAGTGCATAATAAAAAGATGTCAAATCCTAGAAGAGCATGATTTTAAAGAAG  
 AAGATTTTGGCCTCTTTCAGCTAGCAGGCCAAAGATGCATTGAAGATGGGTATATAAACCAGCTGCTAGA  
 GATTATCAAGATGAAAAGAACAAGACCATCATTAAGACTATGGGGTGGAACTCTTGTGGTCTGTGTGTC  
 CGATGCCTCCTGAGGGGAGGGAAGAGGATAAAAAGAGAAGAGTGTCTTCTGATCTTTGATTTGCTGGTGA  
 AGTTGTGTAATCCAAAGGAATTGTTGTTGGGTTTCTTGAAGTCAATTGAAGAGCCCTCCGGGAAACAGAT  
 ATCTCAAATTATCTCTTTACTGCAACCATTACAGACAGTTATTCAGAAACTCCTAACACAAGGCA  
 TACTCGGCTGGATTAGCATTGTCCACGCTCTGGAGTCACTGTCTCTTCTCCTGTCCCACTCAGAAG  
 AACAAATACAGGCAGATGACTATGGCCTTTGTCAGTGTTCAGGGCCTTGATAGAGTTCAGGAAACCTT  
 TGTGGCAGAAGTTGCTAGTGATAAAGAAGACCCAGCAAACACAAAGCTGAAGGATGAACTACTGAAATTC  
 TGTTTCAAAGCTTGAATGCCCTTTGCTGACAGCACAATTCCTCGAACAGTCTGAAGAAGTTGAAATG  
 ACCCTTCCGGTGTTCATCTGAAATAATAGGATTTTATCACAATTTGGATATCCTGTCCCAAAAT  
 TATTCTTAATCATGGAAGGAAAAAGGACTTGGGATTACCTTGAATTTGAAGAAGAAGAAGACAGACAA  
 CTGGCAGACTCTGTGGCTGCTCTGACATACCTAGTCTTTGTTTCAGGGCATCGGTACCGACCAGCTTCCCA  
 TGGTCTTAAGCCCTTACACCTTTTGCAGTTGAACATGGAGCACATTGAAGTGTCTTGCAAAGAACAGA  
 ACAGTCTGTTTACTCAAAGGCTTGAAGTGTGGAGACTAGCTTATTGAGATTAGAAGACAACAGCCTA  
 TGTTATCAGTACCTAGAAATCAAGAGTTTCCTTGTGCTGCTCAGGGCTTAGTCAAAGTCATGACTCT  
 GTCCCAATTGAGACTGAGGAAAACAGGGTTAGCCATGCTTCAGCTGTACATCGACAAGTTGGACTCCCA  
 AGGCAAAATACACATTATTTAGGTGCTTACTAAATACGAGTAATCACTCAGGTGTGGAAGCCTTTGTAAAT  
 CAAAATATCAAAAATCAGATTGATTTATCATATAAGAAAACCCATAACAGGTGGTTTGCAGGCGCACAGC  
 TGACCTCTCTGTTAGACCTGGTCTGTCCCTCCCTGAGGGCGCTGAGACAGATTTACTGCAGAACTCAGA  
 CCGGATTATGGCTTCACTAAATTTGTTGAGGTATTTGTTATCAAAGATAATGAAGATGACAACCAAAT  
 GGATTATGGACAGAGCTTGGAAAGATTGAAAATAACTTTCTACAGCCACTTCATGTAGGACTTAATATGT  
 CAAAGGCACATTATGAAGCAGAGATTA AAAACAGCCAACAAAATAGCCAAGCTGCCTCAATGTGTA AAAAG  
 TGTTTGTCTGTGACTGTAGGCGGAGAAGAAATCCCACTATGCCTCCTGAGATGCAGCTTAAGGTCTTA  
 CATTCCGCCCTTTCACATTCGACTTGATTGAAAGTGTCTGGCTCGAGTCGAAGAACTCATTGAAATCA  
 AATCAAAGTCTACCTCTGAGGAAAACGCTGGGATGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214538 representing NM\_001105993  
 Red=Cloning site Green=Tags(s)

MAVEELQCIKRCQILEEHDFKEEDFGLFQLAGQRCIEDGYINQLLEIIQDEKNKTIKTMGWNLVGPVY  
 RCLLRGREEDKREECFLIFDILLVKLCNPKELLLGELLEIEEPPSGKQISQIILLLLQPLQTVIQKLPNKA  
 YSAGLALSTLWSQLSLLPVPHSEEQIQADDYGLCQCCRALIEFTKPFVAEASDKEDPANTKLKDELLKF  
 CFKSLKCPLLTAQFLEQSEEVGNDFRCFASEIIGFLSQIGYPVPQIILNHGRKKRTWDYLEFEEDRQ  
 LADSVAALTYLVFVQIGTDQLPMVLSYLLQLNMEHIEVLLQRTEQSVYSKGLELLETSLRLLEDNSL  
 CYQYLEIKSFLAVPQGLVKVMTLCPIETLRKTLAMLQLYIDKLDSDQKYLFRCLLNTSNHSGVEAFVI  
 QNIKNQIDL SYKKTNRWFAGAQLTSLLDLVL SLPEGAETDLLQNSDRIMASLNLRLYLVIKDNEDDNT  
 GLWTELKGIENNFLQPLHVGLNMSKAHYEAEIKNSQONSQAASMKSVCSVTVGEEIPTMPPEMQLKVL  
 HSALFTFDLIESVLARVEELIEIKSKSTSEENAGMK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_001105993

ORF Size: 1788 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\\_001105993.1](#), [NP\\_001099463.1](#)

RefSeq Size: 1993 bp

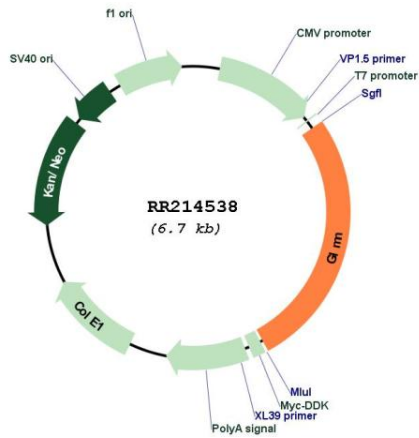
RefSeq ORF: 1791 bp

Locus ID: 289437

Cytogenetics: 14p22

MW: 67.6 kDa

Product images:



Circular map for RR214538