

Product datasheet for **RC239858**

GARNL3 (NM_001286779) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GARNL3 (NM_001286779) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GARNL3
Synonyms:	bA356B19.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC239858 representing NM_001286779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCTCTGTCTCGGAAGACCTAGGCTGTAGACGTGGGATTTTCAGTAGGAAACATTATGGATCTG
TGGAGCTGCTTATTTCCAGTGATGCTGATGGAGCCATCCAAAGGGCTGGAAGATTCAGAGTGAAAAATGG
CTCTTCAGATGAGAATGCAACTGCCCTGCCTGGTACTTGGCGAAGAACAGACGTGCACCTAGAGAACCCA
GAATACCACACCAGATGGTATTTCAAATATTTTTAGGACAAGTCCATCAGAACTACATTGAAACGATG
CCGAGAAGAGCCCTTTCTTCTTGTCCGTGACCCTTTCTGACCAAAACAATCAACGTGTCCCTCAATACCG
TGCAATTCCTTTGGAGAAAAACAGGTACCCAGAAAAATATGCCTTCCTACAGTCCCACAAAACTCTTTCT
GTGAAGTCCATCTTAAGTGCCATGAATCTGGACAAATTTGAGAAAAGGCCCCAGGGAAATTTTTCATCCTG
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TGCCAAAGATGGGCAGCTCACTGATGATGAGATGTTTCAGCAATGAAATTGGAAGCGAGCCTTTTCAAAA
TTTTTAAATCTTCTGGGTGACACAATCACTCTAAAGGGCTGGACGGGCTACCGTGGCGGTCTGGATACCA
AAAATGATACCACAGGGATACATTCAGTTTATACTGTGTACCAAGGGCATGAGATCATGTTTCATGTTTC
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GTCACCATTTGTTCGAAGAAGGAGAGGAATCTTCTCCTGCCTTTAAGCCTTCCATGATCCGCTCCCACT
TTACACATATTTTGCCTTAGTGAGATACAATCAACAAATGACAATTACAGGCTGAAAAATATTTTCAGA
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CAAGCTTGGCAGCTTCAGGGATCTGTAAAAAGAGCCGTGGGAGCCCCAGTGTCTGCAGTAATTTCCC
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GTGGATGATGACCTTCCATCAGTGCCCGTGTGGACAGAACTCTGCCAGTGAAGCAAATGCATGTGCTTG
AGACCCTGGACCTTCTGGTTCTCAGAGCAGACAAAGGAAAAGATGCTCGCCTCTTTGCTTCAGGCTAAG
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ACAGGATCCCATCAGGCTCCTTGAAAGTGCTTCTACTCCGAAGCCAACCCTGAGGGGCACTCAGCCAG
CTCTGACCAGGACCTGTGGCAGACAGAGAGGGCAGCCCGGTCTCCGGCAGCAGCCCTTCCAGCTCAGC
GCTTTCTCCGATGAAGACATTATAGACTTGAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>RC239858 representing NM_001286779
Red=Cloning site Green=Tags(s)

MKSSVSEDLGCRRGDFS RKHYGSVELL ISSDADGAIQRAGRFRVENGSSDENATALPGTWRRTDVHLENP
EYHTRWYFKYFLGQVHQNYIGNDAEKSPFFLSVTLSDQNNQRPVQYRAILWRKTGTQKICLPYSPTKLS
YKSILSAMNLDFEKGPREIFHPEIQKDLLVLEEQEGSVNFKFGVLFADGQLTDDMF SNEIGSEPFQK
FLNLLGDTITLKGWTGYRGGLDTKNDTTGIHSVYTVYQGHEIMFHVSTMLPYSKENKQQVERKRHIGNDI
VTIVFQEGEESPAPFKPSMIRSHFTHIFALVRYNQNDNYRLKIFSEESVPLFGPPLTPPVFTDHQEFR
DFLLVKLINGEKATLETPTFAQKRRRTL DMLIRSLHQDLMPDLHKNMLNRRSFDVLPESPKSARKKEEA
RQAEFVRIGQALKLSIVRGDAPSSLAASGICKKEPWEPQCFC SNFPHEAVCADPWGQALLVSTDAGVLL
VDDDLPSVPVFDRTL PVKQMHVLETDL LVL RADKGKDARLFVFRLSALQKLEGKQAGKSRSDCRENKL
EKTGKCHLYAINTHSREL RIVVAIRNKL LITRKHNKPSGVTSTLLSPLSESPVEEFQYIREICLSDS
PMVMTLVDGPAEESDNLICVAYRHQFDV VNESTGEAFRLHHVEANRVNFVAAIDVYEDGEAGLLLCYNYS
CIYKKVCPFNGGSFLVQPSASDFQFCWNQAPYAI VCAFPYLLAFTTDSMEIRLVVNGNLVHTAVVPQLQL
VASRSDIYFTATAAVNEVSSGGSSKGASARNSPQTPPGRDTPVPFPSSLGEGEIQSKNL YKIPLRNLVGRS
IERPLKSPLVSKVITPPTPISVGLAAIPVTHSLSRMEIKEIASRTRRELLGLSDEGGPKSEGAPKAKS
KPRKRLEESQGGPKPGAVRSSSSDRIPSGSLESASTSEANPEGHSASSDQDPVADREGSPVSGSSPFQLT
AFSDEDIIDLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286779

ORF Size: 2973 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:

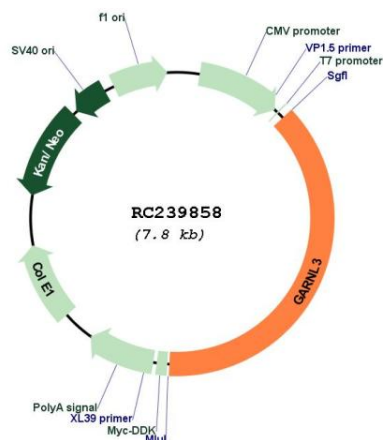
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001286779.1](#), [NP_001273708.1](#)

RefSeq Size: 3615 bp
 RefSeq ORF: 2976 bp
 Locus ID: 84253
 UniProt ID: [Q5VWW2](#)
 Cytogenetics: 9q33.3
 MW: 110.7 kDa

Product images:



Circular map for RC239858