

Product datasheet for **RC200184**

GNL2 (NM_013285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNL2 (NM_013285) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GNL2
Synonyms:	HUMAUANTIG; Ngp-1; NGP1; Nog2; Nug2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC200184 representing NM_013285
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTGAAGCCCAAGTACAAAGGACGGAGCACCATCAACCCGTCCAAGGCCAGCACAAACCAGATCGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC200184 representing NM_013285
Red=Cloning site Green=Tags(s)

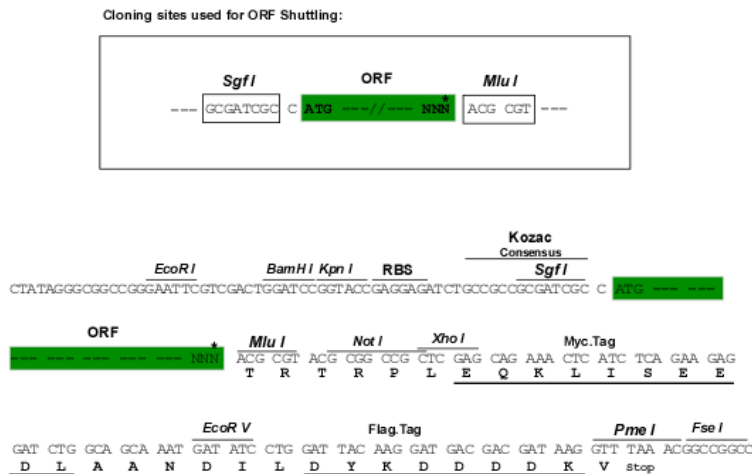
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ETTFGPKSQRRPNLFAADMQSLIENAEMSTESYDQGDRLVTEDTGVRNEAQEEIYKKGQSKRIWDEL
YKVIDSSDVVVQVLDARDPMGTRSPHIETYLKKEKPKWHLIFVLNKCDLVPTWATKRWVAVLSQDYPTLA
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FLEKLAFTGKLLKGGEPDLQTVGKMLVNDWQRGRIPFFVKPPNAEPLVAPQLLPSSSLEVPEAAQNNP
GEEVTETAGEGSEIIEEETEENSHCDANTEMQQILTRVRQNFQGINVVPQFSGDDLVPVEVSDLEEEL
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THNVKNRNRNKKKTNDSEGOHKHRKKFRQKQ
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_013285

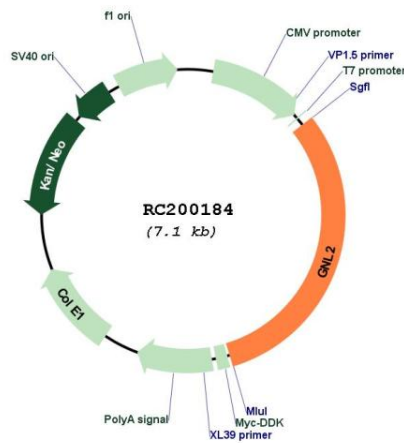
ORF Size: 2193 bp

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:	<u>NM_013285.3</u>
RefSeq Size:	2419 bp
RefSeq ORF:	2196 bp
Locus ID:	29889
UniProt ID:	<u>Q13823</u>
Cytogenetics:	1p34.3
Domains:	MMR_HSR1
MW:	83.7 kDa
Gene Summary:	GTPase that associates with pre-60S ribosomal subunits in the nucleolus and is required for their nuclear export and maturation (By similarity). May promote cell proliferation possibly by increasing p53/TP53 protein levels, and consequently those of its downstream product CDKN1A/p21, and decreasing RPL23A protein levels (PubMed:26203195).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200184