

Product datasheet for **RR209260**

Ganab (NM_001106334) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ganab (NM_001106334) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ganab |
| Synonyms: | G2an |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR209260 representing NM_001106334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGTGGACTTATGGCTTTTGAGCATCAGAGGGCTCCAGGGTCCCTTTCTCGGATAAAGTTAGTCT
 CACGCTCGGTAGCATGTGGGATAAGATCAAGAACCCTTTCTCTAGGCAAGAACCAAAAGATGCAGCTGAA
 GGCAACGGAGCCGAGCCTGAAGCAAGGCCCTGGGGATGGTGACAAGGCAACCAGAGGAGACCCAGGAAAAG
 GCTGAGAAAAGATGAGCCAGGAGCCTGGGAGGAGACATTCAAACACACTCTGACAGCAAGCCTTACGGCC
 CCACGTCGGTAGGTTTGGACTTTTCTCTGCCAGGAATGGAACATGTGTATGGGATCCCTGAGCATGCAGA
 CAGCCTGAGACTGAAGGTCAGTGGGTGGTGAGCCGTACCGTCTGTACAACCTGGATGTGTTCCAGTAT
 GAGCTGAACAACCCCATGGCTTTGTATGGGTCTGTGCCTGTGCTCTTGGCACACAGCTTTCATCGGGACT
 TGGGTATCTTCTGGCTTAATGCTGCTGAGACATGGGTTGATATATCGTCCAACACAGCTGGGAAGACCT
 GTTTGGGAAGATGCTGGATTACCTGCAGGGGTCTGGGGAGACTCCACAGACAGACATTTCGTTGGATGTC
 GAGAGCGGCATTGTTGATGTTTTCTCATGCTCGGCCCTTCAGTCCTTGATGCTTCCGGCAGCATGCTA
 GCCTTACAGGGACCCAGGCACTACCCCACTCTTCTCCCTGGGCTACCACCAGAGTCGCTGGAACACTACCG
 GGATGAGGCTGATGTTTTGGAAGTGGATCAGGGTTTTGATGATCAACAATGCCTTGATGTGATATGG
 TTGGACATTGAACATGCTGATGGCAAGCGGTACTTCACTTGGGACCCACCCGATTTCTCAGCCCTCA
 ATATGCTTGAGCACTTGGCTTCTAAAAGCGGAAGCTGGTGGCCATCGTGGATCCCCACATCAAGGTAGA
 CTCTGGTTACCGAGTTCATGAAGAATTGCGAAACCATGGGCTGTATGTTAAAACCTCGGGATGGCTCTGAT
 TACGAGGGCTGGTGTGCCAGGTTTCGGCTAGTTACCTGACTTCACTAACCCACAGATGAGGGCCTGGT
 GGGCTAACATGTTCAACTTTCACAACATGAGGGTTCAGCTCCTAATCTTTTTGTGGAATGACATGAA
 TGAACCGTCTGTGTTCAATGGTCTGAAGTCACCATGCTGAAGGATGCTGTGCATTATGGCGGCTGGGAG
 CACCGGGACATCCATAACATCTATGGCTTATATGTGCACATGGCAACTGCTGACGGGCTAATACAGCGCT
 CTGGTGGCATAGAGCGGCCCTTTGCTCTGAGTAGGGCCTTCTTCTCAGGCTCCCAGCGCTTTGGAGCTGT
 GTGGACAGGGGACAACACTGCAGAGTGGGATCATTTGAAGATCTCTATCCCTATGTGTCTCAGCCTGGCA
 CTGGTGGGCTTTCTTCTGTGGCGGGATGTGGGTGGCTTCTTCAAGAACCAGAGCCAGAACTGCTTG
 TGCGCTGGTACCAAATGGGTGCCTACCAGCCATCTTTCGGGCTCATGCTCACTTGGACACTGGGCGGCG
 AGAGCCGTGGCTGTTAGCGTCTCAATACCAAGATGCAATCCGAGATGCCTTGTCCAGCGATACTCTTTG
 CTGCCCTTCTGGTATACCCTCTTCTATCAAGCTCACAGGAAGGGTTTCTGTCATGAGGCCCTCTGGG
 TACAGTATCCTGAGGATATGTCTACCTTCAAGTATGGAGGATCAGTTCATGCTTGGGGACGCACTCCTTAT
 TCACCCTGTGTCGGATGCTGGGGCCATGGAGTGCAGGTCTATTTGCCTGGCGAAGAAGAGGTGTGGTAT
 GACATTCAAAGCTATCAGAAGCATCATGGTCCCGAGACCTTGATCTGCCAGTGACCCTGAGCAGTATAC
 CTGTGTTCCAGCGTGGCGGGACAATTGTCCCTCGATGGATGCGCGTGAGGCGTTCCTCAGACTGTATGAA
 GGAAGATCCTATCACTCTCTTTGTTGCTCTCAGTGCCAGGGCACGGCCCAAGGAGAGCTCTTCTCGAT
 GATGGACACACTTTTAACTATCAGAATCGCCATGAGTTCCTGTTGCGTCGATTCTCTTCTCTGGCAACA
 CACTTGTCTCTAGTTCAGCAGACCCCAAAGGCCACCTTGAGACACCTGTCTGGATTGAGCGAGTGGTCA
 AATGGGGGCTGGAAAGCCAGCAGCCGTGGTGTCCAGACCAAAGGCTCTCCTGAAAGTCGCTGTCTTTC
 CAGCATGACCCTGAGACCTCTGTGCTGACATTGGCTAAACCTGGGCTCAATGTGGCATCTGACTGGAGTA
 TTCATCTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209260 representing NM_001106334
Red=Cloning site Green=Tags(s)

MPVDLWLLSIRGLPGSLSRIKLVSRSVACGIRSRTFSLGKNQKMQLKATEPSLKQGLGMVTRQPEETQEK
AEKDEPGAWEEFKTHSDSKPYGPTSVGLDFSLPGMEHVYGIPEHADSLRLKVTEGGEPYRLYNLDVFQY
ELNNPMALYGSVPVLLAHSFHRDLGIFWLNAAETWVDISSNTAGKTLFGKMLDYLQGSGETPQTDIRWMS
ESGIVDVFLMLGPSVLDVFRQHASLTGTQALPPLFSLGYHQSRWNYRDEADVLEVDQGFDDHNMPCDVIW
LDIEHADGKRYFTWDPTRFPQPLNMLEHLASKRRKLVAVDPHIKVDSGYRVHEELRNHGLYVKTRDGS
YEGWCWPGSASYPDFTNPQMRWWANMFNFHNYEGSAPNLFVWVNDMNEPSVFNGPEVTMLKDAVHYGGWE
HRDIHNIYGLYVHMATADGLIQRSGGIERPFVLSRAFFSGSQRFGAVWTGDNTAEWDHLKISIPMCLSLA
LVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQPFFRAHAHLDTGRREPWLLASQYQDAIRDALFQRYSL
LPFWYTLFYQAHQEGFPVMRPLWVQYPEDMSTFSMEDQFMLGDALLIHPVSDAGAHGVQVYLPGEVEVWY
DIQSYQKHHGPQTLYLPVTLSSIPVFQRGGTIVPRWVRVRRSSDCMKEDPITLFFVALSAQGTAAQGEFLD
DGHTFNYQNRHEFLRRFSFGNTLVSSADPKGHLETPWIERVVIMGAGKPAAVVLQTKGSPESRSLF
QHDPETSVLTLRKPQVNVASDWSIHLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001106334

ORF Size: 2391 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_001106334.1](#), [NP_001099804.1](#)

RefSeq Size: 3870 bp

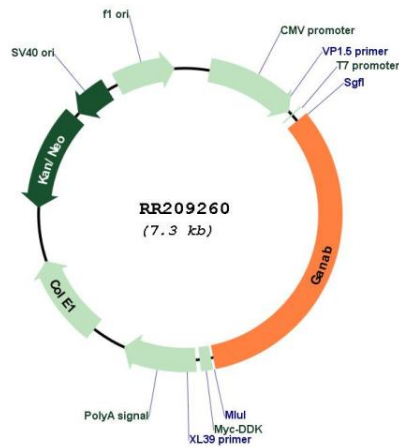
RefSeq ORF: 2394 bp

Locus ID: 293721

Cytogenetics: 1q43

MW: 90.6 kDa

Product images:



Circular map for RR209260