

Product datasheet for **RR213195**

Gabpa (NM_001108841) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabpa (NM_001108841) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabpa
Synonyms:	Nrf-2alpha; Nrf2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213195 representing NM_001108841
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTAAGAGAGAAGCAGAAGAACTGATAGAGATTGAGATCGATGGGACTGAGAAAACGGAGTGCACAG
 AAGAAAGCATTGTGGAACAAACCTATGCCCCAGCTGAGTGTGTAAGCCAGGCCATAGACATCAATGAACC
 AATAGGCAATTTAAAGAAGCTATTAGAACCAAGACTGCAGTGCTCTTTGGATGCTCATGAAATTTGCCTA
 CAAGATATTCAGCTGGATCCAGACCGAAGTTTGTGGTCAAGGAGTGAAAAACAGATGGGACTGTACAGC
 TTAGTGTACAGGTAATTTCTTACCAAGGAATTGAACCAAAGTTAAACATTCTTGAATTTGTAAGACTGC
 AGAAACAGTTGAAGTGGTCATTGATCCAGATGCCACCATGCAGAAGCAGAAGCACATCTCGTTGAAGAA
 GCTCAAGTGATAACTCTGACGGCACCAGCATATCACAACCATTCAGATGAGACCTCAGAGCAAGTGA
 CGAGATGGGCCGCTGCACTGGAAGGCTACAGAAAAGCAGGAGCGCCTCGGGATCCCCTATGATCCTAT
 ACAGTGGTCCACAGACCAAGTCTGCATTGGGTGGTTGGGTAATGAAGGAGTTCAGCATGACTGATATA
 GACCTCACACACTCAACATTTTCGGGAAGAGAATTATGTAGTCTCAACCAAGAAGATTTTTTTCAGCGGG
 TCCTCGGGGAGAAATCTCTGGAGTCACTGGAGCTTCTCGAAAATATGTTTTGGCAAGCCAAGAGCA
 ACAGATGAATGAGATAGTTACAATTGACCAGCCTGTGCAAATTATTCCAGCATCAGTGCCTTCTGCTACG
 CCGACTACTATTAAGGTTATAACAGTAGCGCAAAGGCAGCTAAAGTTCAAAGGTCCCAAGGATCTCAG
 GAGAAGATAGGAGCTCACCGGGGAACAGAACAGGAAACAATGGTCAGATCCAACATATGGCAGTTTTGCT
 TGAAGTCTTACTGACAAGGATGCTCGAGACTGATTTCTTGGGTTGGTATGAAGGGGAATTCAGGTA
 AATCAGCCTGAATTAGTTGCACAAAAATGGGGACAACGTAAAAACAAGCCTACAATGAACATGAGAAAC
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 TGTGAACAGAAGAAGCTTGCCAAGATGCAGCTCCACGGGATTGCTCAGCCAGTCACAGCCGTGGCCTGG
 CTGCTGCCTCTCTCCAGACAGAAAAGGACAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213195 representing NM_001108841
 Red=Cloning site Green=Tags(s)

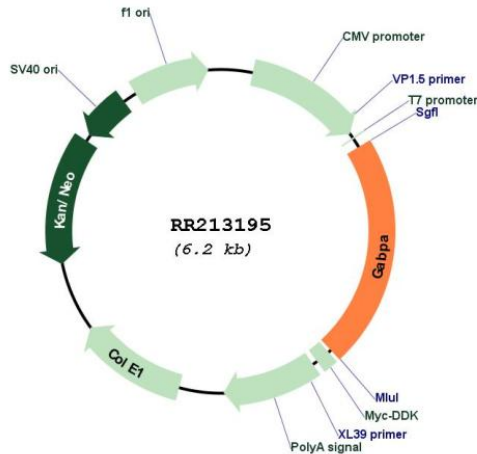
MTKREAELIEIEIDGTEKPECTEESIVEQTYAPAECVSAIDINEPIGNLKKLLEPRLQCSDAHEICL
 QDIQLDPDRSLFDQGVKTDGTVQLSVQVISYQGIEPKLNILEIVKTAETVEVVIDPAHHAEEAHLVEE
 AQVITLDGTKHITTSDETSQVTRWAAALEGYRKEQERLGIPYDPIQWSTDQVLHWVWVMKEFSMTDI
 DLTTLNISGRELCSLNQEDFFQRVPRGEILWSHLELLRKYVLASQEQMNEIVTIDQPVIIPASVPSAT
 PTTIKVINSSAKAAKVQRSPRISGEDRSSPGNRTGNNQIQLWQFLELLTDKDARDCISWVGDEGEFKL
 NQPVELVAQKWGQRKNKPTMNYEKL SRALRYYYDGMICKVQGRFVYKFCVCDLKTIGYSAAELNRLVTE
 CEQKKLAKMQLHGIAQPVTAVALAAASLQTEKDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001108841

ORF Size: 1362 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_001108841.1](#), [NP_001102311.1](#)

RefSeq Size: 4828 bp

RefSeq ORF: 1365 bp

Locus ID: 363735

Cytogenetics: 11q11

MW: 51.3 kDa