

Product datasheet for **RR208029**

Mageb16 (NM_001025013) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mageb16 (NM_001025013) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mageb16
Synonyms: Snca
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR208029 representing NM_001025013
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCAGAAGAATCCAGAATATGCAGCTGACCACGACCATACCCGTGAAGAGATGCAGAACCTACAGG
TTGCACCAGCCTCCAGCGATGTTGAGGAGCCATGTTCTCATCTCATCTTATGGCTAGTAGTCTGAAGGG
CCATACCAGTGAAGAGACCCAGGTCCTGAGGATATGGAAGAACCATGTTCTCTCTCACTTCTTACT
GCTAGCAACCAGGAAGATCCTGCATATGAGACACCCAGTACTTCTAGGGGTCTTCAGCATCCCTATGTCT
CTTCAAGTGAGTCTGCCAAGGGTCTTGGTAACAAAGAAATGCAGGGTAACTCAGTCATTCCACCAGATCA
GCCAGATTTACCTGTGATGACCATAGATGGGAAAGTTAATTTCTTGGTGAATTATATGCTGTACAAATAT
CAGGTGAAAGAGATGATGAGCATGAACGATATAATGACACTCATTGTGAGAGAAGATGAACATCATTTTTC
ATGAAATCCTCATGAGAGCTTCTGAGCGCATGGAAATGGTCTTTGGGCTTGAAGTGAGGGGAAGTAGATCC
TGTCACCACTTTCTATGCTCTCTTATCAAATAGGTCTCACCTATGATGGGATGAGAGCTGATGAGTAT
AGCTTTCTAAGACTGGTCTCCTGATACTCATCTGGGTGATGCTTTCATGAAGGGCAACCGTCAAACCTG
AAGAGGAGATTTGGGAAGTGTTAAATCCAATGGGAATCTATGCTGGAATGAATCATTTTCATCTTTGGGGA
CCCCAGAGAGCTGCTAACTGATGACTTTGTGAGGGAGCAATACCTGGCATAACCAGCCAATAGCCAATAGT
GATCCCATACAGTATGAATATGTGTGGGGCCACGGGCTAAAGCTGAAACTAGTAAGATGAAAGTGTAG
AGTTTGTGGCCAAGGTTTCATGGGTGAGACCCCTACTGTGTTCCCTTCTCAGTATGAAGAGGCTCTGATAGA
AGAAGAAGAGAGAACCCTTGCCATGATTTTAGAACAAGCTGGCCCGAGTTCTGCTTCTGGTAAAAGTTCT
AGTGACATGGGCAGCAATGTCCCTCACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208029 representing NM_001025013
 Red=Cloning site Green=Tags(s)

MSQKNPEYAADHDHTREEMQNLQVAPASSDVEEPCSSSHLMASSLKGTSEETQVPEDMEEPCSSSLLT
 ASNQEDPAYETPSTSRGLQHPYVSSSESASAKGLGNKEMQNSVIPDPDLVMTIDGKVNFLVNYMLYKY
 QVKEMMSMNDIMTLIVREDEHHFHEILMRASERMEMVFGLEVREVDPVNHFYALFIKGLTYDGMRADEY
 SFPKGTGLLILILGVVFMKGNRATEEEIWEVLNPMGIYAGMNHIFGDPRELLTDDFVREQLAYQPIANS
 DPIQYEYVWGPRAKAETSKMKVLEFVAKVHGSDPTVFPSQYEEALIEEEERTLAMILEQAGPSSASGESS
 SDMGSNVPHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025013

ORF Size: 1080 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_001025013.1](#), [NP_001020184.1](#)

RefSeq Size: 1702 bp

RefSeq ORF: 1083 bp

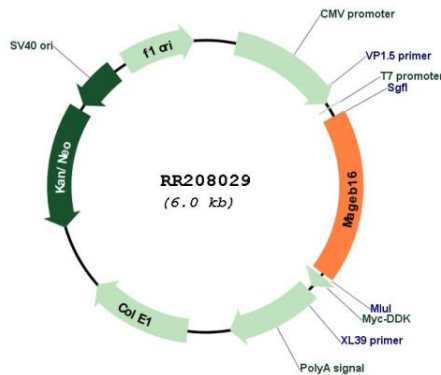
Locus ID: 317274

UniProt ID: [Q6AY37](#)

Cytogenetics: Xq21

MW: 40.5 kDa

Product images:



Circular map for RR208029