

Product datasheet for **MG215405**

Mageb4 (NM_001033492) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb4 (NM_001033492) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mageb4
Synonyms:	CN716893; Mage-b4; mMage-b4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215405 representing NM_001033492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAGGGGACAAAAGAGTAAGGCCCTGCTCGTGAGAAGCGTCGCCTGGTCCAGGATGAGGCCCAGG
 AGCTCCAGGATGCTCAAGCCAAGGCAGGAGAGAAAAGAAAAGTCCCCTCTGCTCTAATCAGGATTCTGG
 AGATGCTGTTGCAAGCACCTCTACTGCTGGCTTCCCTCAAAAAGTCTAAATCTCAAGGTGAGGCACCCACC
 ACCACTGCTAGGAAAGGTGGTGCCTGCAGAAGATCTCGTAAAAGTACCAGAGGTCCAAGGGAGGAAAAGTA
 CCAGTTGCACTAGGGTCCCCCGTTCAGTGAGAATCCACAGAATGATCTTCTAACAAGGAAGACAGGAAT
 GCTGATGCAGTACCTGCTCTGCAAGTACAAAATGAAACAGCCAGCATCTAAGGGAGAAAATGCTCAAAGTG
 ATCAACAGAAGGTTCAAGGAGCAGTTGCCTGAGATCCTCAAGAAAGCCTCTGAGCGCATTAGCTAGTTT
 TTGGTCTTGAGGTGAAAGAAATTAAGCCCAATGGTGGCTACTACACCCTTGTAGCAAGTTAGATCCCAG
 TGTCGGTAATGCTCTGACCACTAGCCTGCCATTTCCCAGAACGGGCTTTTGTGCTCTTCTGGGTGTG
 ATCTTCTTAAATGGCAACCGTGCCTCTGAGGCAGAGATCTGGGAATTCCTTAATGTCTTGGGAATTTATG
 ATGGGAAGGTGCACATAATCTTTGGGGAGCCCCGGAAGCTCATCACAGAGATCTGGTAAAGGAAAAGTA
 CCTGGTATACAAAAGGAGGCCAACAGTATCCCCATCCTTTGAGTTTCTTTGGGGTCCCCGAGCCTAT
 GCTGAAACTACCAAGATGAAAATCCTGGAGTTTTAGCCGAGGTCAATGAGACCGTTCTCAGGCCTTCC
 CAACCCATTATGAGGAGGCTTTGAGAGATCAGGAAGAGAGAGCCCAAGCCGAAGCTGTAGGCAGTCTGG
 CACTAGTGCCAAAGATAAGGCAGAGGCTAAAGTCACACTGGTTGACTCCTTGTCAAATATCAGGCTGAG
 TCTAAAAGTACACTAGTGGACTCTTCTGTAAGATCAGGCTGAGTCTAAAGTACACTTGTGACCCTTAAAGT
 CTTGCAAAGATAATGCCAAGTCTAAGGTCACACTTGGCTCCTCTCGCAAATACAAGGCCAAGTCTAAAGT
 CCCACTGGTTGACTCCTTGTCAAAGATCAGGCTGAGTCTAAAGTACACTTGTGGACTCTTGTCAAAGAT
 CAGGCTGAGTCTAAAGTACACTAGTGGACTCTTCTGTAAGATCAGGCTGAGTCTAAAGTACACTAG
 TGGACTCTTCTGTAAGATCAGGCTGAGTCTAAAGTACACTTGTGACCCCTTGTCAAAGATAAGGC
 CAAGTCTAAGGTCACACTTGGCTCCTCTCAAAAACAAGGCCAAGTCTAAAGTACACTGGTTGACTCC
 TCTTGTCAAAGATCAGGCTGAGTCTAAAGTACACTAGTGGACTCTTCTGTAAGATCAGGCTGAGTCTA
 AAGTACACTTGTGACCCTTGTCAAAGATAATGCCAAGTCTAAGGTCACACTTGGCTCCTCTCGCAA
 ATACAAGGCCAAGTCTAAAGTCCCCTGGTTGACTCCTCTGAAAAGATAAGGCAGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215405 representing NM_001033492
 Red=Cloning site Green=Tags(s)

MPRGQKSKARAREKRRLVQDEAQELQDAQAKAGEKKGKSPSCSNQDSGDAVASTSTAGFPQKSKSQGEAPT
 TTARKGGACRRSRKSTRGPREESTSCTRVPRFSENPNQNDLLTRKTGMLMQYLLCKYKMKQPASKGEMLKV
 INRRFKEQLPEILKASERIQLVFGLEVKEIKPNGGYTLVSKLDPSVGNALTTSLPFPQNGLLMPLLGV
 IFLNGNRASEAEIWEFLNVLGIYDGKVHIIFGEPKRLITRDLVKEKYL VYQKEANSPPSFEFLWGPRA
 AETTKMKILEFLAEVNETVPQAFPTHYEEALRDQEERAQAEAVGSPGTSAKDKAEAKVTLVDSSCKYQAE
 SKVTLVDSSCKDQAE SKVTLVDPSCDKNAKSKVTLGSSRKYKAKSKVPLVDSSCKDQAE SKVTLVDSCD
 QAESKVTLVDSSCKDQAE SKVTLVDSSCKDQAE SKVTLVDPSCDKAKSKVTLGSSHKYKAKSKVTLVDS
 SCKDQAE SKVTLVDSSCKDQAE SKVTLVDPSCDKNAKSKVTLGSSRKYKAKSKVPLVDSSGKDKAV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033492

ORF Size: 1668 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_001033492.2](#), [NP_001028664.2](#)

RefSeq Size: 2401 bp

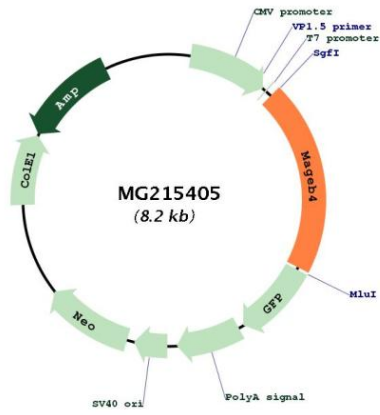
RefSeq ORF: 1671 bp

Locus ID: 434903

UniProt ID: [A2A9R3](#)

Cytogenetics: X C1

Product images:



Circular map for MG215405