

Product datasheet for **MG216661**

Gas2l3 (NM_001079876) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas2l3 (NM_001079876) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gas2l3
Synonyms:	8430435B07Rik; Gm240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG216661 representing NM_001079876
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACCATGCAGCCTGCAATCCAAGTGTGGTTTGGGGAAGATCTGCCTCTAAGTCCCAGGTGTCCTGA
CTCCCAGACATGGCCCGGACTGGCTGACGTTTGCCAGTATGACGAGTGGATAGCCGTGAGACATGAAGC
CACCTGCTGCCTATGCAGGAAGATCTCTCTATTTGGTTATCTGGCTTACTAGGTGTTGACATCAAGGCA
GAAAGATTATTGGAAGAGCTCGATAATGGAGTGTGTTGTGTCAGCTAATCAATGTTCTTCAGAACATGG
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TTGAGATTGGTCGATTGTGCAAGATACGGAGTTGAGCCACCAGTATTAGTAAAACCTTGAGAAAGAAAT
TGAGTTGGAAGAGACCTTGCTTAATGCCTCGGGGCTTGAAGAGTCCATCAGCATCCCAAATCCTGCTGT
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GTTCTAAAACCGGAGCCATAGGTCTAGGGACACAGTCTCAGCCACCCACTAGAACCCGAGGTGAGGAGC
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GCTAAAGGGCCTCCAAAAGCAGCAAGCCACCAACTTCTTTCAGGGACCCACCCTCATCTGGTAAGGGGG
CAGACAGCGGAGATAAAATGCCCACTGCCAGGAAGAAGGAAGAAGATGACCATTATTTGTTATGCCGG
AAATAAGAAGCTTAGGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG216661 representing NM_001079876
 Red=Cloning site Green=Tags(s)

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MTMQPAIQVWFGEDLPLSPRCPLTPRHGPGGLADVCQYDEWIAVRHEATLLPMQEDLSIWL SGLLGVDIKA
ERLLEELDNGVLLCQLINVLQNMVKGCHSDEPGNFPMRKVPCKKDAASGSFFARDNTANFLHWCRHIGVD
ETYLFESEGLVLHKDPRQVYLCLEIGRIVSRYGVEPPVLVKLEKEIELEETLLNASGLEESISIPKSCC
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PKGAMHGRPNPSPFPQPPAKVTKPSSKTGAIGLGTQSQPPTRTPRSGAVSAQRLQSTLNLNSPASVCSGSS
AKATQGSKGKNTVSAKKQPQSKGVC RNPGPSKSPGRTPLSIVTVPQSATKTETVSKSAKTAMKGQYS
AKGPPKSSKPPTSFRDPPSSGKGADSGDKMPTARKKEEDDHYFVMTGNKKLRK
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001079876

ORF Size: 2049 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_001079876.1](#), [NP_001073345.1](#)

RefSeq Size: 6748 bp

RefSeq ORF: 2052 bp

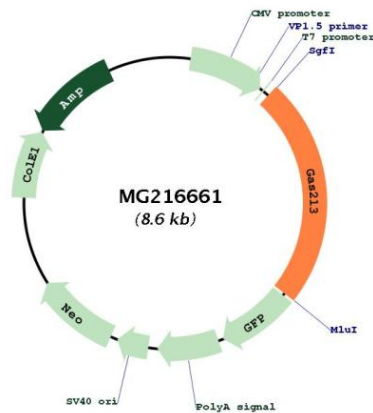
Locus ID: 237436

UniProt ID: [Q3UWW6](#)

Cytogenetics: 10 C2

Gene Summary: Cytoskeletal linker protein. May promote and stabilize the formation of the actin and microtubule network (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216661