

Product datasheet for **MG209185**

Me2 (NM_145494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me2 (NM_145494) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Me2
Synonyms:	AW120568; D030040L20Rik; NAD-ME
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209185 representing NM_145494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTTCCCGGCTAAGAGCTGTTACCCTCTTGACCTGACCTGCCCGGAGTGCACCTGAAAGAGA
 AGGGCAAGCCACTCATGTTGAATCCAAGAACAACAAGGGAATGGCGTTTACGTTACAAGAGCGACAAAT
 GCTTGGTCTTCAAGGACTTTTACCTCCTAAAATAGAGACACAGGATATTCAAGCCTTACGATTCCATAGA
 AACTTGAAAAAATGACTAGCCCTTTGGAAAAATACATTTATATAATGGGCATCCAAGAAAGAAATGAGA
 AACTGTTCTATAGAATCCTGCAGGATGATTGAAAGTCTGATGCCGATTGTGTACACGCCAACAGTTGG
 TCTTGCCTGCTGCAATATGGGCACATCTTAGGAGACCTAAGGGATTGTTTATTTCAATCTCAGACAGA
 GGTGATGTTAGATCAATTGTGGATAACTGGCCAGAAAAATCATGTTAAGGCTGTTGTGGTACTGATGGAG
 AGAGGATCCTGGCCTTGGCGATCTGGGTGTCTATGGAATGGGGATTCCAGTAGGGAAGCTGTGCCTGTA
 TACAGCCTGTGCAGGGATACAGCCCGAGAAGTGCCTGCCGTGTGCATCGACGTGGGCACGTATAACATG
 GCACTATTAAGATCCGTTTTATAGGCTTGTATCAGAAGCGAGATCGTTCCAGCTCTATGATGATC
 TGATGGACGAGTTTATGAAGCGATTACTGACAGATACGGCCGGAACACACTCATTCAAGTTTGAAGACTT
 TGGAAATCATAATGCATTGAGTTCTTAAGAAAATATCAACAAAATACTGTACCTTCAATGATGACATT
 CAAGGGACAGCTGCAGTTGCTCTGTCTGGTCTTCTTGGCGCCAAAGAGTTATTAATAAACCAGTCTCAG
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 GTTAAGGGGCGGACTGCTAGCATAGATAGCAACCAGGAACCATATGCCCATGCGGCCAGAGAGCATAAC
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 AATCCTACAGCACAGGCCGAGTGACAGCCGAGGACGCGTACACGCTCACAGAGGGCAGGTGCTGTTTTG
 CCAGTGGCAGCCATTTGAGCCAGTGAACTCCAGGATGGACGAGTCTTCAACCCAGGCCAAGGAAACAA
 TGCATATATTTCCAGGTGTGGCTTTAGCTGTTATTCTGTGAAGCCCGACACATCAGTGACACCGTT
 TTCTTAGAAGCTGCAAAGGCGCTGACGACTCAGTTGACAGATGCAGAGTTAGCCCAAGGGAGGCTTTACC
 CGTCGCTGGCTAATATTCAGGAAGTTTCTGCTAACATAGCTATTAACCTTGACAGTACCTGTACGCTAA
 TAAAATGGCCTTCCGGTACCCAGAACCCGAGGACAAGGCCAGATACGTGAGAGAGAGAATATGGCGGAGC
 AACTACGTTTCCCTGCTGCCGACGTGTATGACTGGCCAGAGTCTTCACTGACGCTCCTCAGATCACAG
 AAGAGAAGCTTCCCCAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209185 representing NM_145494
 Red=Cloning site Green=Tags(s)

MFSRLRAVTPCTLTCCRVLKEKGPLMLNPRTNKGMAFTLQERQMLGLQGLLPPKIETQDIQALRFHR
 NLKKMTPLEKYIYIMGIQERNEKLFYRILQDDIESLMPVYPTVGLACCQYGHIFRRPKGLFISISDR
 GHVRSIVDNWPNHVKAVVVDGERILGLGDLGVYGMGIPVGLCLYTACAGIQPEKCLPVCIDVGTDM
 ALLKDPFYMGLYQKRDRSQLYDDLMDDEFMKAITDRYGRNTLIQFEDFGNHNAFRFLRKYQKQYCTFNDDI
 QGTAVALSGLLAAQRVINKPVSEHKILFLGAGEAALGIANLIVLSMVESGLSEEEAQRKIWMFDKSGLL
 VKGRTASIDSNQEPYAAAPESIPATFEDAVNKLKPSVIIGVAGAGPLFTHGVKAMASINERPIIFALS
 NPQAQAECTAEDAYTLTEGRCLFASGSPFEPVKLQDGRVFTPGQGNNAIFPGVALAVILCEARHISDTV
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 NYVSLLPDVIYDWPESLTPPQITEEKLPH

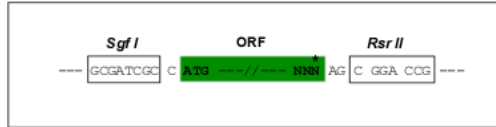
SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

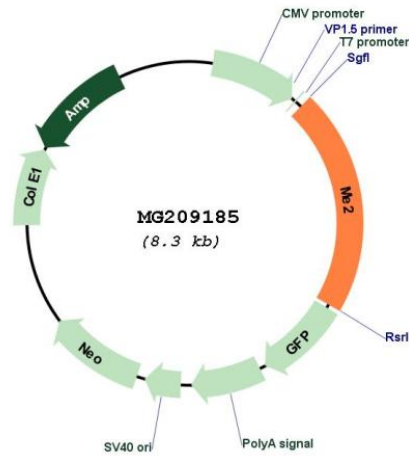
Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_145494

ORF Size: 1767 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:	<ol style="list-style-type: none"> 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_145494.1
RefSeq Size:	2455 bp
RefSeq ORF:	1770 bp
Locus ID:	107029
UniProt ID:	Q99KE1
Cytogenetics:	18 E2