

Product datasheet for **MG212580**

Gm9992 (NM_001142539) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm9992 (NM_001142539) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm9992
Synonyms:	ENSMUSG00000056133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212580 representing NM_001142539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGAGTCTGAAGAATGTTCTGGTGGTTTCTTGTGGCTTCTCCTGCTCTTCACTGCCTACGGGG
 GCCTGCAGAACTGCAGAGCAGCCTCTACAGTGAGCAGGGCCTGGGGTGGCGACTCAGCACACTCTA
 TGCTCTGTGCTGCTGTCTCCATGTTCTCCACCTATCCTCATCAAGAAGTGTGGCTGCAAGTGGACC
 ATCGTGGGCTCCATGTGCTGCTATGTGGTCTTCTCCCTGGGCACTTCCATGCCAACTGGTACACCTGA
 TCCCTACCTCCATCTTGTGGGCTGGGTGCGGCCCTCTGTGGTGGCTCAGGGTACCTACCTACCCAC
 CATGGGAAATCTGCAAGCGAAAAGGTGGGGAAGCTTGGCAAAGATGTGGTGAACCAAGTATTTGGCATC
 TTTTCTGGTATTCCAATCTTCTGGAGTGTGGGCAACCTGATTTCTCACTGGTGTTCGCAAGATGT
 CCATGCAAGAGGCCATCCAGAGGAACAGCTCATGTCTGTGGAGCCAAAGACTGCCTGATGGGTCCAGC
 GGCCACCAACAGTACTCATCCCTCACAGCAGCTGATCTACACTGTGGGCATCTACACCGGCTGT
 GGTGTCCTGGCCATCCTGCTGGTAGCTGTGTTCTGGAGTCTTGAAGATAAGCTTGAGAATGAAGGAG
 AGAGGAGGCCAGACCACCACCTTTGGTCCACATTACTGTCAACCTTCATGCTGTTTAGAGACAAGCG
 TTTGTGCTCCTGATGTTCTGCCACTGTACAGTGGGTTTCAACAAGAGTTCTCTCTGGAGAGTACACA
 AAGTCTTATGTGACCTGTGCCCTGGCATCCACTTTGTGGGCTACGTGATGATCTGCTTCTCAGCCATGA
 CTGCACTGTGCTCCCTGCTGTATGGGAAGATCTCCAAGTACACGGGCAGGGCAGCGCTCTATGTGCTGG
 AGCAGCCATTCACTTCTTGCATTGTGGTCTTCTGCTGTGGCACCCAAACCAACCAACTGCCTGTC
 TTCTTCTCCTCTCTGGCCTGTGGGAAATGTCTGATGCTGTGTCAGACACAGAACAATGCTCTTTTCG
 GTGTCCTGTTTGGAGAGAACAAAGAACCTGCTTTTGGCAACTACCGCCTTGGAGAAGCCATAGGGTTTGT
 CATTGCCTTTGGCTACAGCTCATTTCTGTGTGAGTACCAAGCTCTACATCCTCTTGGGTGCTTGGAGT
 CTGGCCATGTTGGTTACGGGACAGTTGAGTACCTGGAAGTCAAGGCTGCTTCCAAGTCTTGGTGCAG
 AAAAGAAAACCAGGCAGAAAGAGGAAGAATGAAAACAAAATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212580 representing NM_001142539
 Red=Cloning site Green=Tags(s)

MERSLKNVLVVSCGFLLLFTAYGGLQNLQSSLYSEQGLGVATLSTLYASVLLSSMFLPPIILIKKCGCKWT
 IVGSMCCYVVFSLGNFHANWYTLIPTSILLGLGAAPLWSAQGYLTTMGNLQAEKVGKLGKDVVNQYFGI
 FFLVFQSSGVWGNLISSLVFGKMSMQEAIPEEQLMSCGAKDCLMGPAATNSTHHPSSQLIYTLGLIYTG
 GVLAILLVAVFLESLEDKLENEGERRPRPPPLWSTLLSTFMLFRDKRLCLLMFLPLYSGFQQEFLSGEYT
 KSYVTCALGIHFVGYVMICFSAMTALCSLLYGKISKYTGRAALYVLGAAIHFSCIVVFLWHPNTNQLPV
 FFVLSGLWMSDAVWQTQNNALFVLFEEENKEPAFANYRLGEAIGFVIAFGYSSFLCVSTKLYILLGVLS
 LAMVGYGTVEYLEVKAASKVLGAEKKNQAEEMKTKI

TRTRPLE – GFP Tag – V

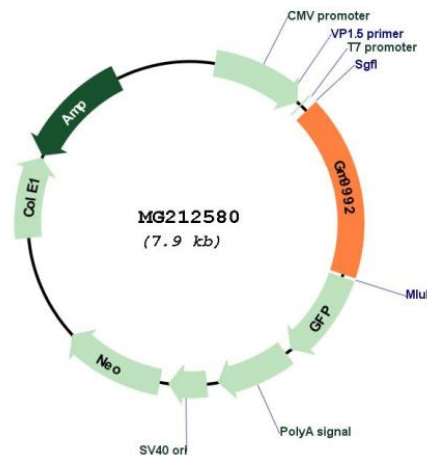
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001142539

ORF Size: 1374 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:	<u>NM_001142539.1, NP_001136011.1</u>
RefSeq Size:	1593 bp
RefSeq ORF:	1377 bp
Locus ID:	667055
Cytogenetics:	17 A1