

Product datasheet for **MG212660**

Toporsl (NM_026652) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Toporsl (NM_026652) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Toporsl
Synonyms:	4930547C10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212660 representing NM_026652
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGATCGAGCTTTCATCCAAGTGTGAGTGCCTAGCTGTGCGGAAGGTAGTCCGAGTGAAGTCTGACT
 GGAATTACTCTTCGGAAGAGAGGGGATGGCGCTTCATACTCAAGTTAACTAAGAAATCCACAATCTC
 TCCCATCATGCAACGCTTCTTTCTCAGTGTGTTCTAATGAACTGGGAGCACTAAACAAGGAAGACTTC
 ACGTTTCTCGCTTCAGAGGAGGAAAGTTCTGTGGACTTCTCAAACACAAAACCTCAGCCAGACATCAA
 AGAAGACCAGATCATTGAGAGAAGTACTGACTATCCAAGAAGTACTGAGCAAGTTGGAGACAATGAGAGGCT
 TCCACCCACTCTGTGCTTGGACATTTAGAGACCATGTGGTTGTGAAGTTAGAAGAGCTCTGTAC
 TATTCTGGGATCTGGTAAAATATGTCCAGGGCTCTGGACTGAAAAGTTCTTTTCAGCTCATTATTTA
 AAAGAAATCCAAGTAGCCTGCACCGACTGATTCCTGGCTGAAACGAGAAGTACAGCTATCTGTGGAGA
 CTATGGTTACACAGTGAAGAATATCCTAACTGCCATTCTCCATCACATGACGAAATTTAACTTGAACAGT
 GAAGCTTTCACCTACTGGAGCCTTATCTCTTCCAATACACCCAGCACTTTCTTCATGAGTTTATCA
 GTTTTGTGATTCATCTTACAACATGGAGACCTATGACCGCAATGCCATCTATCAGTGTCTGTTTCAAA
 GAGTTCGAAAAAGAGACCGTTTCAGCTCCAGCCTTTTCTTCCACAGGAGCTCTCCTTCATGAAA
 TCTCAACGAGGCATAAAGCAGTCCAAGAAGACCTGGAATAAGACTGGGCAGAGCTCTGACTCTGGCTTGA
 AACAGTTTCTAAGGGTCATTCTCAAAAAATCCCAAATCTCAACAACCCATCAGAAACCAGCAATAA
 ACGCCATGTTGGACAAAGATGAGTGGGGATCAGATGACTTCAGAGGCGTGGTGTGACTACTAATTCA
 CTGAATGGGCTTATCTCAGGGCAAGAAGGCTAGACAAAGAGTATTATAGAAATGATAACCGAGAGAAAA
 AGTCAGAAAGCACAAAAGTGCCTCCTGGCCATGTCCAGGATCTAAAGAGTCAAGAAACAGTCCAAACAT
 CTTTAGAGCATTGGTAGATTCTAATCAGGCACCCCAAAAAAGTACAATATAAGGGAAACAAATGTTTTG
 GATCCTGGCCAACAGGTACATTATCAGAAAAAGAAACAGAAAGAAAGAACTTGAAGAATCTTCACTAA
 AGGCTCTTCAAAGATTGCCAAAGAAAGAATCTTGATAAAAAGCAATCCAGAGAAAGTAATCATTCTTG
 TCTTTGTGTCTCCGAAATAGCACCTCTCCTACTAGAAATGATAAGATGCTGACTTCTATTAGTAAAAAG
 ATGGTAAGGTGCAGCCAGTCTCCCAATGTGTAGAAGTTGGTTCACACCACAGTAGAAGAACCCAAAGAC
 AATACAGTCCCAGGACACCCAGATCCAAATCCTGGTGTGTCAGAATTAGAAAGCAATCCATGAGCAGAGG
 TCAGAGTAATCTCTCTGAGGGAAAGTACAGAAGCAAGCACTGTGACTGTCAAAGGAAGTGTCTCAT
 GGCTGTGAATCAACCTACAGGTGGCATCTTTGAGCCAGTCCACCATGACCAGTTTGTAAACAGCTG
 GAAAGAATTGCAATGTGATCCATGGGTGAAGTGAATCTCAAAGTGGAGGACATTGTGACAGTCTCTC
 ATGCCTAAAGACTGAGAAATGTCACTCTCCAAGTAAGCTTGGTATGAAGGGGAAGCACCTAGTTGGTAGA
 GTTACGAGAATCAGAACATAGGGCGAAAAACCCAAATACCAGTGTGTGGGTACACAAACCACAGCAG
 AATTCAGGGATGACTTGGGGATCTCGAGGATAAAAGCCAAAAAGGCTTTTTGAATTCTCATCTGAATG
 TGTGACTTCTGCAGAAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG212660 representing NM_026652
 Red=Cloning site Green=Tags(s)

MAIELSSKCEPCSCAEGSPSESDWNYSSGKRGDGASYSRLTKKSTISPIMQRFLSQCCSNELGSTNKEDF
 TFLASEEESSVDFSQTNLSQTSKKTRSLRELTIQELLSKFGDNERLPPHSVSLSHFRDHVVVKFRRALY
 YSGIWKYVQSGSLKRFFSAHYFKRNPSSLHRLIPWLKRELTACGDYGYTVKNILTALHHMTKFNLS
 EAFTHLLEPYLFQYTDHFLHEFISFVDSYNYMETYDRNAIYQCPVSKSSKKSTVSAPAFSFPQELSFMK
 SQRGIKQSKKTWNKTGQSSDGLKQFKPGHSSKNPQISTTHQKPANKRHVWTKDEWGSDDFRGVVCTTNS
 LNWAYLRARRLDKEYRNDNREKKSESTKLPPGHVQDLKSHETSPNIFRALVDSNQAPPKYNIRETNVL
 DPGQQVHYQKKETERKKLEESSLKALQRLPKERILIKSKSRESNHSCLCVSENSTSPTRNDKMLTISKK
 MYRCSQSSQCVEVGSHTSRRTQRQYSPRTPRSKSWCVIRKQMSMRGQSNLSLRESHRSKHCALSKGSAH
 GCSTYRVASLSPVHHDQVCLTAGKNCKCASMGESESQTGGHCDSL SCLKTEKCHSPSKLGMKGKHLVGR
 VTRIRTHRRKKPKYQCVGTQTAEFRDDLGDLEDKSQKGLNSHPECVTSRR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_026652

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_026652.3](#)

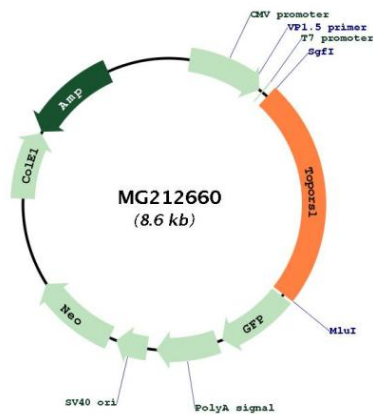
RefSeq Size: 2401 bp

RefSeq ORF: 2052 bp

Locus ID: 68274

Cytogenetics: 4 B2

Product images:



Circular map for MG212660