

Product datasheet for **MG213711**

1700003E16Rik (NM_027948) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700003E16Rik (NM_027948) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1700003E16Rik
Synonyms:	AU041756
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213711 representing NM_027948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTACGAAGGCTCGAGGCAGGCGGAGATCGTGGGTGACCCGATCCAAGGCAGAAAAAGCCCGGC
 CACCCACCCAGCCGGTGCCGAGGTGGACATCGTGCCCTGGGAGACTCAATGAGGCAGAATGGATTGCGTT
 TATGTCCCTGGAGGAGGCGAGGACGTAGTGGGTGACATCTTGGCTGACCTTATGACTCGAGTTATGGAG
 TGTGCCTTCAAAGTCTATCTGACCCAGCAGTGCCTTCCATTACCATAGCCAGGCCCGAGAGGCCATGC
 TGCAGATCACTGAGTGGCGCTTCTGGCCGAGATGAGGGAGAATCTGCAGTGGCTGAGGACCCACGTG
 GGGAGAGGATGAGGAGCCCTGGCATGCACTACGGATTCTGGGCCAGGGCTCCGTGCCTGTTCTGCAC
 ACACCGGCGCCGTTTGTGTAGAGGAGCAGTCCACAACGAAGAACCTGGGAACCCGGACCAGTTCCTTT
 TAGGTTTCATCGTGGGACAAAGAGTCCAAAAGCCGACACAACCTTCAAGACCTTCTGCCAGCCCAAAGT
 CACCCCGAGACCCACGGCCACCTTGGAGGCGTTTGGAGAACTGAGCCCGGGGATGCCTTGAAGTACCC
 CACGGCCAAGAGGGAAGCCATATGTTGGCTGTGCCCTCGAAGGAGTCTTACGATCTACGGCGAAGGCG
 AGCGCGTCTACAGCCCCAGTCTTCTCTGAAGCAGCCCCAAGTAGTCCGTCTTACGGCCTCTGAGAAGGA
 ATCATCTTTCGGCTCACACCTGTCGCTCGAGGATCTTTACCTCTGCATGCCCCAGCCAGACGCGGACGGG
 GACCGGCTGAGCTTGAGAGCAAGGGCCAGCTCCACAGCAGCCCGATAGGGTCGGAGTCCCACCTCGGTG
 CACTCACCCCGCAGAGCCCTCCGCGTTCAGGAGCCTGAAGTCTTGGGAGAGCGCCAAAGCACAAAGAC
 CACCAGTTGCGCATGGATTCTCGCGGCTGCCCGCCACTGGGTGCGCCCGTGGCCGAGGTCTGATC
 CCAGACTCGAAGTGCACCCTTGGAAATATATCGCGGGCGCCCGCAGGAGCCAAGCTGGGACCGCAA
 CCTCAGCATGCGAGTCCCAAGCCCTTAGCTCGCTGCTCCCTCCAAACCCCATGTCTTAGCCAAAGTT
 CCTCTCCAGCGTTGTGCTACATTCGTGCTTTGGGCCCGGATCCTAGTTTAAACTTGGCCAAACCTCA
 CCGTCTTTCGGGTCAAACGTGCCATTCTCAGCCCCGGTTCCGTTCTCCCTAGAAACCAATCCCTC
 CCGACGTGCGCAGCACCCCTACCCCAAATATGGCCCTAGCTAAGTGGCCAAGTGGTGGGAGCGGGA
 GGCGGAGCAGCTGGGAGAGCTGTGGCGGGTGGACTCGCGTGCCTCCACAGGTCAGGAACCTGTGGAG
 GTGACACCTTTGGAGGAGGACTCTGGATGGCCCTAGCGGCGCCCGAGTCTCGAGGCTACGTCCCAAG
 TGCTTTGGAAGCCATGGTTATTTAGAAACCATGAAGCTGGTCTTCTGGTGTGAGTATGTGAACCGGGG
 AACCCAGGAGCTGCTCAATCTGCTGTCATCCGGAAGGAGGCTGAAGAAGCACCCCCAGGCGCCTGAG
 CAGCAACCCATCCAGACAGGTGTGTCCAAGCCTCAGGTGATTATGAAACAGATAAGGAACGAGACCCCA
 AAGCCTGGCTGCTCCCAACCAAGCTGTGCCCACTCTGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG213711 representing NM_027948
 Red=Cloning site Green=Tags(s)

MSHEGSRQARDRGVTRSKAEKARPPTQPVPQVDIVPGRLENEAWIAFMSLEEGEDVVGDILADLMTRVME
 CAFKVYLTQQCVPFITISQAREAMLQITEWRFLARDEGESAVAEDPTWGEDEEPLACTTDSWAQGSVPVLH
 TPAPVCVEEQFHNEEPGNPDQFLGSSWDKESQKPTQPSEPSAEPKVTPRPTATLEAFEEAEPGDALEVP
 HGQEGSHMLAVPSKESLRSTAEGERVYSPQSSLKQPQVVRLQASEKESSEFGSHLSLEDLYLCMPQPDAA
 DRLSLQSKQLHSSPIGSESHLALTPAEPQAFQEPVLERPKHKTTLRMDSSRLPRHWVRPVAEVL
 PDLEVHPLIYRGRPRRSQAGTATSACESQALSSRAPSKPHVSSPRFPLQRCATFRALGPDPSLNLAQTS
 PSFGSNVPFLSPGFRFLPRNIPDPVASTPTPKLWPLAKWPSGWEREAQLGELWAGRTRVPPQQQEPVE
 VTPLEEDSGWPLAAPQVLEATSQVLWPKPMVISETMKLVPGVSMWNRGTQELLNPAVIRKEAEEGTPQAPE
 QQPIQTGVSKPQVIMKQIRNETPKAWLLPTKPVPHSGS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_027948

ORF Size: 1794 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_027948.1](#), [NP_082224.1](#)

RefSeq Size: 2050 bp

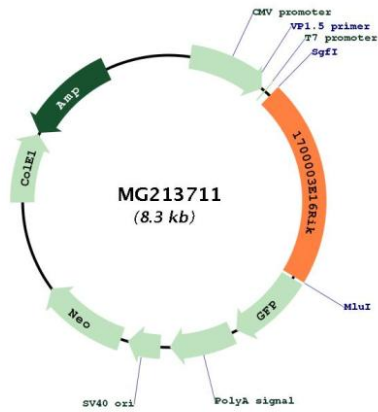
RefSeq ORF: 1797 bp

Locus ID: 71837

UniProt ID: [Q9DAQ4](#)

Cytogenetics: 6 C3

Product images:



Circular map for MG213711