

Product datasheet for **MG206717**

D230025D16Rik (BC006874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	D230025D16Rik
Synonyms:	MGC6480
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG206717 representing BC006874
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCTGGACCTGGAGGTGGTGCCTGAACGCTCTCTGGGGAACGAGCAATGGGAATTCACGCTGGGAATGC
CTCTGGCGCAGGCGGTGCCATTCTTCAGAAGCACTGTCGCATCATCAGAAACGTCCAGGTTCTCTACAG
TGAGCAGTCTCCTTAAGCCATGACCTCATCCTAACCTGACTCAGGACGGGATCACACTACTGTTTGAT
GCTTTCAACCAGAGACTCAAGGTGATTGAAGTTTGTGAGTTGACAAAAGTAAAGTTAAAGTATTGTGGAG
TGCATTTTAACTCTCAGGCCATCGCTCCTACCATTGAGCAAATTGACCAGTCTTTTGGCGCAACCCATCC
TGGAGTGTACAACCTACTGAGCAGCTCTCCACCTCAACTCCGAGGACTGTCTTTCTCTTTTCAGTTA
GACTCGTGGACGGAGGCTCCCAAGTATGAGCCCAATTTGCCCATGGTCTAGCTTCTCTTCAGATACCCC
ATGGAGCAACTGTAAACGAATGTACATCTATAGTGGGAACAGCCTCCAGGATACCAAGGCTCCTGTGAT
GCCCTTGAGCTGTTTCTGGGGAATGTATATGCTGAAAGTGTAGATGTTCTTCGAGATGGAAGTGGACCC
TCAGGGTTGCGACTTCGCTTGCCTGCGTGCAGGTTGTGGACCTGGAGTGTAGCAGATGCCAAATGAGAG
TATTTGAGCGTGCGGTGATTTTGGTGATTCTTGCCAAGATGTTCTTAGCATGCTTGGCTCTCCACACAA
AGTCTTCTATAAATCTGAAGACAAGATGAAATTCACCTCTCCTTCCCCTCATAAACAAGTCCGTCCTCAAG
TGCAACGACTACTTTTAACTATTTTACTCTCGGAGTGGACATCCTGTTTGATGCAAAATACACACAAAG
TGAAGAAGTTTGTCTGCATACCAATTACCTGGGCATTATAATTTAACATTTACCACCGCTGTGAGTT
CAAGATCCCACTGGCCATAAAGAAAGAAAATGCAGGTGGTCAGACTGAAATATGCACAACCTACAGCAAG
TGGGACAGCATCCAGGACCTTCTGGCCATCCTGTGGAGAAGCCTGTTGCTTGCACAGGTCCTCATCCC
CAAATAACACCAATCCGTTTGGCTCCACATTCTGCTTTGGTCTTCAGCGGATGATCTTTGAGGTCATGCA
GAACAACCATTCGCTCAGTGACCTGTATGGCCCCCAGGCCTGGTGGCCACCTGAGAACAGCAGAG
CTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



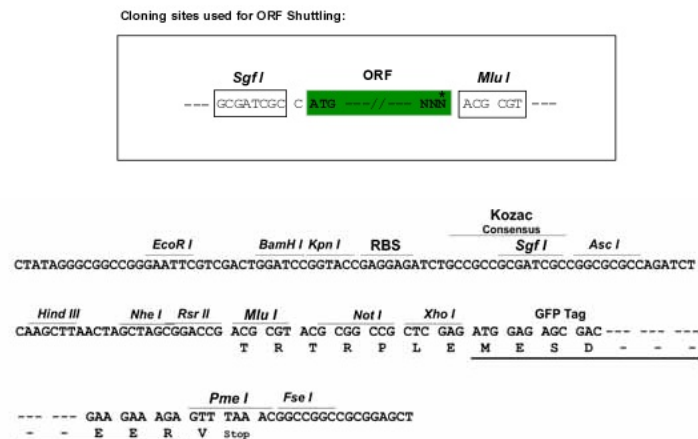
Protein Sequence: >MG206717 representing BC006874
 Red=Cloning site Green=Tags(s)

MLDLEVVPERSLGNEQWEFTLGMPALQAVAILQKHCRIIRNVQVLYSEQSPLSHDLILNLTQDGITLLFD
 AFNQRLKVIEVCELTKVKLYCGVHFSQAIAPTIEQIDQSFQATHPGVYNSTEQLFHLNFRGLSFSFQL
 DSWTEAPKYEPNFAHGLASLQIPHGATVKRMYIYSGNSLQDTKAPVMPLSCFLGNVYAESVDVLRDGTGP
 SGLRLRLAAGCGPGVLADAKMRVFERAVYFGDSCQDVL SMLGSPHKVFYKSEDKMKIHSPSPHKQVPSK
 CNDYFFNYFTLGVDILFDANTHKVKKFVLHTNYPGHYNFNIYHRCEFKIPLAIKKENAGGQTEICTTYSK
 WDSIQDLLGHPVEKPVVLRSSSPNNTNPFGSTFCFLQRMIFEVQNNHIASVTLYGPPRPGAHLRTAE
 LP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC006874

ORF Size: 1266 bp

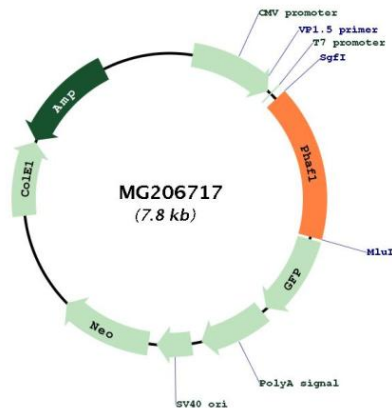
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC006874</u> , <u>AAH06874</u>
RefSeq Size:	2847 bp
RefSeq ORF:	1268 bp
Locus ID:	234678
Cytogenetics:	8 D3
Gene Summary:	Plays a regulatory role in autophagic activity. In complex with BCAS3, associates with the autophagosome formation site during both non-selective and selective autophagy. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206717