

Product datasheet for **MR206717**

D230025D16Rik (BC006874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	D230025D16Rik
Synonyms:	MGC6480
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR206717 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGACCTGGAGGTGGTGCCTGAACGCTCTCTGGGGAACGAGCAATGGGAATTCACGCTGGGAATGC
 CTCTGGCGCAGGCGGTCGCCATTCTTCAGAAGCACTGTCGCATCATCAGAAACGTCCAGGTTCTCTACAG
 TGAGCAGTCTCCTCTAAGCCATGACCTCATCCTTAACCTGACTCAGGACGGGATCACACTACTGTTTGAT
 GCTTTCAACCAGAGACTCAAGGTGATTGAAGTTGTGAGTTGACAAAAGTAAAGTTAAAGTATTGTGGAG
 TGCATTTTAACTCTCAGGCCATCGCTCCTACCATTGAGCAAAATGACCAGTCTTTTGGCGCAACCCATCC
 TGGAGGTGTACAACCTCTACTGAGCAGCTCTCCACCTCAACTCCGAGGACTGTCTTTCTCTTTTCAAGTTA
 GACTCGTGGACGGAGGCTCCCAAGTATGAGCCCAATTTTGGCCATGGTCTAGCTTCTCTTTCAGATACCCC
 ATGGAGCAACTGTAAAACGAATGTACATCTATAGTGGGAACAGCCTCCAGGATACCAAGGCTCCTGTGAT
 GCCCTTGAGCTGTTTCTGGGGAATGTATATGCTGAAAGTGTAGATGTTCTTCGAGATGGAAGTGGACCC
 TCAGGGTTGCGACTTCGCTTGCCTGCTGCAAGTTGTGGACCTGGAGTGTAGCAGATGCCAAATGAGAG
 TATTTGAGCGTGGGTGTATTTTGGTGATTCTTGCCAAGATGTTCTTAGCATGCTTGGCTCTCCACACAA
 AGTCTTCTATAAATCTGAAGACAAGATGAAATTCACCTCTCCTTCCCCTCATAAACAAGTTCCGTCCTAAG
 TGCAACGACTACTTTTTAACTATTTTACTCTCGGAGTGGACATCCTGTTTGATGCAATACACACAAAG
 TGAAGAAGTTTGTCTGCATACCAATTACCCTGGGCATTATAATTTTAACTTTACCACCGCTGTGAGTT
 CAAGATCCCCTGAGCCATAAAGAAAGAAAATGCAGGTGGTCAGACTGAAATATGCACAACCTACAGCAAG
 TGGGACAGCATCCAGGACCTTCTGGCCATCCTGTGGAGAAGCCTGTTGTCTTGACAGGTCTCATCCC
 CAAATAACACCAATCCGTTTGGCTCCACATTCTGCTTTGGTCTTCAGCGGATGATCTTTGAGGTGATGCA
 GAACAACCAATTGCCTCAGTGACCTGTATGGCCCCCAGGCTGGTGCCACCTGAGAACAGCAGAG
 CTGCC

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR206717 protein sequence
 Red=Cloning site Green=Tags(s)

MLDLEVVPERSLGNEQWEFTLGMPLAQAVAILQKHCRIIRNVQVLYSEQSPLSHDLILNLTQDGITLLFD
 AFNQRLLKQVIEVCELTKVKLYCGVHFNSQAIAPTIEQIDQSFATHPGVYNSTEQLFHLNFRGLSFSFQL
 DSWTEAPKYEPNFAHGLASLQIPHGATVKRMYIYSGNSLQDTKAPVMPLSCFLGNVYAESVDVLRDGTGP
 SGLRLRLAAGCGPGVLADAKMRVFERAVYFGDSCQDVL SMLGSPHKVFYKSEDKMKIHSPSPHKQVPSK
 CNDYFFNYFTLGDILFDANTHKVKKFVLHTNYPGHYFNFIYHRCEFKIPLAIKKENAGGQTEICTTYSK
 WDSIQDLLGHPVEKPVVLRSSSPNNTNPFGSTFCFGLQRMIFEVMQNNHIASVTLYGPPRPGAHLRTAE
 LP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [BC006874](#), [AAH06874](#)

RefSeq Size: 2847 bp

RefSeq ORF: 1268 bp

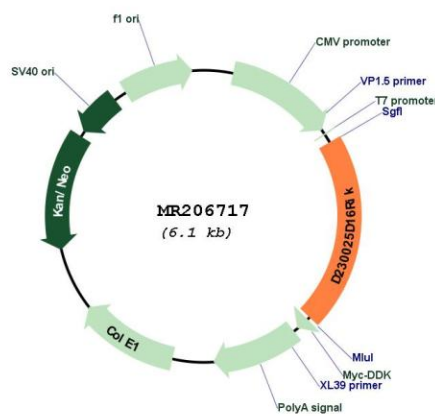
Locus ID: 234678

Cytogenetics: 8 D3

MW: 47.4 kDa

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 MR206717