

Product datasheet for **MR209302**

BC057552 (BC057552) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC057552 (BC057552) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BC057552
Synonyms:	6720484B16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209302 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCCAGCTCGAAATCGGAGCGGAACAGCGGGCCGGGAGCGCCGGCGGAGGCCCTGGGGGACCG
 GGGGGAAGCGGGCGGTGGGGCGGCGGGGAACACGTTCTCAAGCAGCTGGAGCGAGTCAAGATCAGTGG
 GCAGCTCTCACCTCGTCTTTCCGGAAGCTGCCCCAGGGTCTGCGTGTCCCTCAAGAACATCGTAGAT
 GAGGATTTTCTATGCAGGCCATATCTTCTGGGATTTTCCAAGTGTGGCCGCTATGCTCTCTCTACA
 CCAGCAGCAGTGGGGATGACGACTTCTCTTCTACATATACCTCTACTGGTGGGAGTTCAACGTCCA
 CAGCAAGCTCAAGCTGGTCCGCGCAGGTGCGGCTTCCAGGACGAGGAGATCTACAGTACCTGTACCTG
 ACTGTGTGTGAGTGGCTAGCGACGCTTCCAAGGTCATCGTGTGGTTTCAACACCCGCTCGGCCAACG
 GGATGCTCATGAACATGATGATGATGAGCGATGAGAACCATCGTACATCTACATCAGCACTGTGGCTGT
 GCCACCTCGGGCCGTTGTGCTGCTGCCAGGATGCCAGTCGTGCCACCCAGGGGACCCAAGCGCACAG
 TGCTGCGGCATGGCTTCATGCTGCACACCAAATACCAGGTGGTGTACCCCTTCCCACCTTCCAACCCG
 CCTTCAACTCAAGAAGGATCAGGTGGTGTGCTCAACACCAGCTACTCCCTGGTGGCCTGCGCTGTCTC
 TGTCCACTCAGCAGGTGACAGCAGTTTCTGCCAAATCCTGTATGACCACACAGCTTTGCCCCAGCCCCA
 CCCAGTTCTCCAGGACCTTGAGGCCCTGAGGCAGCCCCAGCCTTCCCAGTCTTGGTGTGGAGTGGTCC
 CAGCCCAGCCCTCGGAGCCCTGAGCCCTCACCAGCCATTGCCAAGGCCAAGGAGTTTGTAGCTGACAT
 CTTCCGCAAGGCTAAAGAGGCCAAGGAGTCCCTTGGAGGAACTCGGTCGCCCTAGCTTGGGGCCC
 TCAAGCAGCCGCTGCCGCCATCTTTAGAGCCGAAGCCCAAGTGGGGAAGTGGTACCCAGGGACAGCC
 CTCTGCTGCAGAGACCACTGCCCTGAGCCTGGCTACATCAATTACACCAAGTTGCACTATGTTGTGCA
 GTCTGGGGAAGGACAGAGCCTGAGGATGAGTTTGGAGGATGACAAGATCTCCCTGCCTTTGTGGTGACT
 GATCTCCGTGGCCGCAACTTACGCCCATGCGAGAGCGGACAGACATGCAGGGCCAGTACCTGACAGTGG
 AGCAGCTTACCCTGGACTTCGAGTATGTCATCAATGAGGTCATCCGCCATGATGCCACTTGGGGTACCA
 GTTCTGCTCTTTCAGTGACTATGACATAGTCATCTTGGAGGCTGCCAGAAACCAACAGGTCCTGATC
 AACATTGGCCTGCTGCTTGGCCTTCCAGCTCCCACTGAAGAGGGCCAGCTTCGACCCAAGACCTATC
 ACACCAGTCTCAAGGTGGCCTGGGACCTCAACACAGGCATCTTTGAGACAGTCAGCGTGGGTGATTAAC
 TGAGGTCAAAGGACAGACCAGTGGCAGTGTCTGGAGCTCTACCGAAAGAGCTGTGTGGACATGGTCATG
 AAATGGCTGGTCCAGAGAGCAGTGGCCGCTATGTGAACAGGATGACAAACGAGGCACTGCACAAAGGCT
 GCTCACTGAAGGTTCTGGCAGACAGTGAAGGCTACTTGGATTGTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209302 protein sequence
 Red=Cloning site Green=Tags(s)

MAPSSKSERNSGAGSAGGGPGGTGGKRAVGRRREHVLKQLERVKISGQLSPRLFRLPPRVCVSLKNIVD
 EDFLYAGHIFLGFSGCRYVLSYSSSGDDDFSYIYHLYWWEFNVHSLKLVQRVQLFQDEEIIYSDLYL
 TVCEWPSDASKVIVFGFNTRSANGMLMNMMSDENHRDIYSTVAVPPRGRCAACQDASRAHPGDPSAQ
 CLRHGFMHLTKYQVYVFPFQPAFQLKKDQVLLNTSYSLVACAVSVHSAGDSSFQILYDHTALPPAP
 PSSPGPWSPEAAPAFPSLGVVPAQPSGAPEPSPAIAKAKEFVADIFRRAKEAKGSPLEETRLPSSLGP
 SSSRCRPSLEPQAPSGEVPRDSPAETAPEPGYINYLKHYVLSGEGTEPEDEFEDDKISLFPVVT
 DLRGRNLRPMRERTDMQGYLTVQLTDFEYVINEVIRHDATWGHQFCFSFYDIDIVILEVCPETNQVLI
 NTGLLLLAFPAPEEGQLRPKYHTSLKVAWDLNTGIFETVSVGDLTEVKGQTSGSVWSSYRKSVDMMV
 KWLVPESGRYVNRMTNEALHKGCCLKVLADSERYTWIVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC057552

ORF Size: 1800 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: [BC057552](#), [AAH57552](#)

RefSeq Size: 2217 bp

RefSeq ORF: 1802 bp

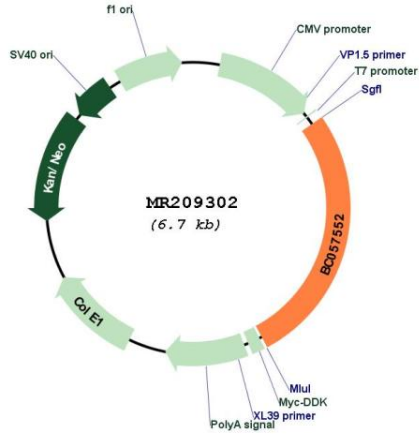
Locus ID: 212123

Cytogenetics: 8 C2

MW: 66.6 kDa

Gene Summary: May be involved in ubiquitination and degradation through a DBB1-CUL4 E3 protein-ubiquitin ligase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209302