

Product datasheet for **MC222556**

5330417C22Rik (NM_001033304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5330417C22Rik (NM_001033304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	5330417C22Rik
Synonyms:	BB183350
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222556 representing NM_001033304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGACCAGTCTGCAAGCCCTGCGGGAGGGCCGCTACTCCCTCGGCACTGGCATCCGATTTGATG
 AGTGGGATGAGCTACCTCACGGCTTTGCCAGCCTCTCGGCCAACTTGAGGTCGATGACAGCATCTCGGA
 GTCCTACTGAGAACTGCACTTCGTCCAAGTGGGTTCCCGGGGAGACTACATCGCCTCCAACACAGATGAA
 TGCACCGCCACACTGATGTATGCCGTCAACCTAAAGCAGTCTGGCACCGTTAACTTTGAGTACTACTACC
 CGGACTCCAGCATCATCTTTGAATTTTTGTCCAGAATGACCAGTGCCAGCCCAGTGCTGATGACTCCAG
 GTGGATGAAGACTACGGAGAAAGGATGGGAATCCACAGTGTGAGCTAAATAGAGGCAATAACGTCCTC
 TATTGGAGAACCACAGCTTTCTCGGTGTGGTCCAAAGTGTCCAAGCCCGTCTTGTAGAAACATCGCCA
 TAACAGGGGTGGTTACACCTCCGAGTGTTCCTGCAAGCCTGGCACATACGCTGCCAAGCAGGGCTC
 CCCTTTCTGCAAGCTTTGTCCAGCCAATACTACTCAAACAAGGAGAAACGTCCTGCCATCCGTGTGAT
 GCTGACAAATACTCAGAAAAAGGATCTCCACCTGCAAAGTGCGCCAGCCTGCACAGACAAGGACTATT
 TCTACACCACACAGCCTGTGATGCTCAGGGAGAGACACAGCTCATGTACAAATGGGCCATACAAAAAT
 CTGCGGTGAGGACCTGGAGGGGGCGGTGAAGCTGCCCGCCTCTGGTGTGAAGACCCGCTGCCACCCCTGT
 AACCCGGGCTTCTTCAAACCGACAACAGCACCTGTGAACCTTGCCCATACGGCTCGTACTCCAACGGCT
 CGGATTGTACCCACTGCCAGCAGGAAGTGAAGCTGCCGTGGGATTTGAGTACAAATGGTGGAACACT
 GCCCTCCAACATGGAACTACGGTTCTCAGTGGGATCACTTTGAATACAAGGGCCTGACAGGCTGGGAG
 GTGGCTGGTGACCACATTTATACAGTGTGGTGCCTCAGACAACGACTTCATGATCTCACTCTGGTTG
 TACCAGATTTAGACCTCCACAGTCAGTGGTGGCAGACACAGAGAACAAGAGGTGGCCAGGATCACATT
 TGTCTTCGAGACCATCTGCTCTGTGAAGTGTGAGCTCTACTTCATGGTGGGCATGAATTCAGGACCAAT
 ACTCCTGTGGAGACGTGAAGGGCACAAAGGCAAGCAGTCTATACCTACACCATCGAAGAGAATGCTA
 CTGTGAGCTTACATGGGCCTTCCAGAGGACCACCCTTCAAGAACAGGCAGGAAGTATACTAATGATGT
 CGCCAAGATCTACTCAATCAATGTACCAACGTATGGGGGGCGTGGCCTCTACTGCCGTCCCTGTGCC
 CTAGAAGCCTCTGATTTGGGCTCCTCCTGCACCTTTGTCTGCTGGCCATTACATCAACCCGGATTCTG
 GGACTGCCACCTCTGTCCCTTAACACCATCCTGAAAGCTCACCAGCCTTACGGTGCACAGGCCTGTGT
 GCCCTGTGGTCCAGGGACCAAGAATAACAAGATCCACTCTCTGCTACAACGACTGCACCTTCTCCCGA
 AACACCCCGCAGCAGGATTTTCACTACAATTTCTCAGCTCTGGCAGGCACCGTCTCTCTGGCAGGGTGC
 CGAGCTTACCTCGAAGGGGCTGAAGTATTTTCATCATTTACCCCTGAGTCTCTGTGAAACCAGGGGAA
 AAAAAATGGCTGTGTGCACAGACAATGCTACTGACCTCCGGATCCCTGATGGTGGGCGGCTTCTCTAAG
 TCCGTCACAGCCTATGTCTGCCAGGTTGTATCATATCCCTCTGAGGTGATGGGCTACAAGGCCGGGGTGT
 CCTCACAGCCCGTCAAGCTTGTGACCGACTTGTGGAGTGTCAACAGACATGACCTTGAAGGAATCGT
 CTCCCCAGTTGAACTTTTTACCCAGAGACCTCGGAATTCGGGACATAGTCTTCTTTTTTAGATCCAAT
 GATGTGACCCAGTCTGCAGTCTGGAAGATCAACCACCATCCGCTCAGATGCAATCCAATGAAAGCTG
 CTCCTGGCACCTGCGGCTACCCAGCATGTGCTCTGATGGGACCTGTGATGGCTGTAATCCACTTCTCT
 GTGGGAGAGTGTGGCGCTTGTCCACTGTCTCGGCCTGACTACCACACTTTTGTGACAGCTGTGTG
 GCTGGGATCCAGAAGACTACTTACATGTGGCAGAAACAAAGCTGTGCTCTGGGGCATTTCCTGCTG
 AGCAGAGAGTTACCATCTGCAAAACGATCGATTTCTGGTAAAAGTGGGCATCTCGGCTGGCACCTGCAC
 TGCCATCTGCTTACTGTCTGACCTGCTACTTTTGAAGAAGAATCAAAAATTAGAATACAAATACTCC
 AAGTTGGTAATGAACGCTACTCTTAAAGACTGCGACCTGCCGGCAGCAGACAGCTGTGCCATCATGGAAG
 GAGAGGACGTGGAGGATGACTTCATCTTACCAGCAAGAAGTCCCTTTTGGGAAGATCAATCCTTTAC
 CTCCAAGAGGACTCTGATGGATTTGACTCGGTGCCGTGAAGACGTCTCAGGAGGCCAGACATGGAC
 ATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001033304
Insert Size:	2736 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001033304.1</u> , <u>NP_001028476.1</u>
RefSeq Size:	3326 bp
RefSeq ORF:	2736 bp
Locus ID:	229722
UniProt ID:	<u>A2AFS3</u>
Cytogenetics:	3 F3
Gene Summary:	May protect cells from cell death by inducing cytosolic vacuolization and upregulating the autophagy pathway.[UniProtKB/Swiss-Prot Function]