OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224846

Mon2 (NM_153395) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mon2 (NM_153395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mon2
Synonyms:	2610528O22Rik; AW495628; mKIAA1040; Sf21
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224846 representing NM_153395 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCCTGCACCAACAGCCCCGAGGCTGTGAAGAAGCTGCTGGAGAATATGCAGAGCGACCTGCGGGCCT TGTCACTAGAATGCAAGAAGAAGTTCCCACCTGTCAAGGAGGCTGCTGAATCGGGAATAATAAAAGTTAA AACAATAGCTGCAAGAAACACGGAAATTTTGGCAGCATTGAAAGAGAACAGCTCAGAGGTCGTGCAGCCT TTCCTAATGGGGTGTGGGACCAAGGAACCAAAGATCACACAGTTGTGTTTGGCCGCCATCCAGAGACTCA TGTCCCATGAAGTGGTGTCTGAGACTGCTGCTGGAAACATAATTAACATGCTTTGGCAGCTAATGGAAAA CAGCCTTGAAGAACTTAAGCTGCTTCAAACAGTTCTTGTTCTTTTAACAACCAACACGGTAGTTCATGAC GAGGCACTTTCCAAGGCTATAGTTCTCTGTTTTCGACTCCACTTCACAAAGGACAATATTACAAATAACA CAGCTGCTGCTACAGTCCGACAGGTCGTGACTGTCGTCTTCGAGAGGATGGTGGCTGAAGATGACCGTCA CAGAGATATAGAACCTCCAGTGCCGATCCAAGGAAACAGTAACAGAAGGTCTGTCAGCACGCTGAGACCC TGTGCTAAGGACGCATACATGCTCTTCCAGGACCTCTGTCAGTTGGTTAACGCTGACGCCCCTTACTGGC TAGTGGGCATGACGGAAATGACTCGGACATTTGGCCTTGAGTTGCTAGAGTCTGTCCTCAATGATTTTCC ACAAGTGTTTTTACAGCATCAAGAATTCAGTTTTCTCCTCAAAGAACGGGTGTGTCCGCTCGTGATCAAG CTCTTTTCTCCAAACATCAAGTTCAGACAAGGCTCCAGTACGTCATCCTCTCCAGCACCCGTTGAAAAAC CATATTTTCCTATTTGCATGCGTTTACTGAGAGTGGTGTCTGTTCTGATCAAGCAGTTTTACAGCCTCTT GGTGACTGAGTGTGAAATATTTCTGTCACTTCTGGTGAAGTTTCTGGATTCAGATAAGCCACAGTGGCTT CGAGCTGTTGCAGTGGAGTCGATACACAGGCTCTGTGTGCAGCCTCAGTTACTAAGGTCATTTTGTCAGT CGTATGACATGAAGCAACATTCCACCAAGGTTTTCCGAGACATTGTGAATGCACTGGGGTCTTTTATCCA GTCTCTGTTTCTTGTCCCTCCTACTGGAAATCCTGCCACAGCCAACCAAGCTGGAAACAATAATGCTGGC GGCCCAGCCTCAGCACCAGCTAACTCGGGGGTGGTGGGCGTCGGTGGGGGCGTTACTCTGCTGCCAGCCT TTGAGTATCGAGGAGCCTGGATACCCATCCTGACCGTTACCGTTCAAGGCAGTGCTAAAGCCACCTACCT AGAGATGCTGGACAAAGTTGAACCCCCAACTATCCCAGAAGGCTATGCCATGTCCGTGGCCTTCCACTGT CTGTTGGATCTTGTCCGTGGAATCACCACCATGATAGAAGGAGAGTTGGGAGAGGTAGAAGCAGAGGGTC

View online »

CCAGTGTCACAGAGGGAGCCTCTTCACAGTCGTCAGAACGGCGAGACGAGCAGGCGGCATCCGACCCGAT
GGACCAGGAAACAGTGAGCAGAGCTGTTTGGGAAGAGATGGTGAGCGCTTGCTGGTGTGGCCTTCTCGCT
GCGCTCTCGCTCCTCCTCGACGCCAGCACAGATGAGGCTGCCACCGAGAACATTTTGAAGGCTGAACTGA
CCATGGCTGCTCTCTGTGGAAGACTGGGCCTTGTGACCTCGAGAGACGCCTTTATAACTGCAATATGCAA
AGGCTCCTTGCCGCCACACTATGCTCTGACTGTGCTGAACGCCACCACTGCGGCGACACTCTCCAATAAA
TCATATTCTATCCAGGGCCAAAGTGTTATGATGATCAGCCCGTCCAGCGAGTCTCACCAGCAAGTTGTGG
CCGTGGGTCAGCCTCTTGCAGTGCAGCCTCAAGGAACAGTGATGCTGACTTCCAAAAATATTCAGTGCAT
GAGGACTCTGCTGAACTTGGCCCACTGTCACGGCGCTGTTCTTGGAACATCATGGCAACTTGTTCTGGCA
ACTCTTCAGCATCTTGTGTGGATTCTGGGACTAAAGCCTAGTAGTGGTGGTGCCTTGAAGCCTGGCAGAG
CAGTAGAAGGGCCCAGCACAGTTCTGACAACAGCGGTGATGACGGACTTGCCAGTGATCTCCAACATCCT
TTCTAGACTGTTTGAAAGCTCACAGTATCTTGATGACGTATCTTTGCATCATTTAATAAATGCACTTTGT
TCCTTATCTCTAGAAGCAATGGATATGGCCTATGGAAATAATAAGGAGCCATCTCTCTTTGCTGTTGCCA
AACTATTAGAAACTGGTCTTGTTAATATGCACAGGATAGAGATTTTATGGAGACCTCTGACTGGCCATCT
ACTTGAGGTCTGCCAGCATCCAAACTCTCGGATGCGGGAGTGGGGAGCAGAAGCTTTGACGTCACTCATT
AGAGCGGGGCTGACGTTCAGCCATGAGCCTCCACTTCCACAGAACCAGAGACTACAGCTGCTTTTATTGA
ACCCATTAAAAGAGATGTCCAATATTAACCATCCAGATATTCGACTCAAGCAATTAGAATGTGTGTTGCA
GATTCTGCAAAGCCAGGGAGACAGTCTTGGGCCTGGGTGGCCGTTAGTTCTTGGAGTCATGGGAGCAATC
AGAAATGATCAAGGAGAATCATTAATAAGAACTGCCTTTCAGTGTCTTCAGTTGGTTGTGACAGATTTTC
TACCCACAATGCCTTGTTCTTGCCTACAGATAGTTGTAGATGTTGCAGGTAGCTTTGGACTGCATAACCA
AGAACTTAATATTAGCTTAACGTCAATAGGCTTATTGTGGAATATATCAGATTATTTTTTCCAAAGAGGG
GAAACGATTGAAAAAGAATTAAATAAAGAAGAGGCAGCTCAGCAGAAGCAGGCCGAGGAGAAAGGAGTGT
CTCTGAACCGGCCGTTCCACCCCGCGCCACCGTTCGACTGCTTGTGGCTCTGCCTCTATGCCAAGCTGGG
GGAGCTTTGTGTGGACCCCCGCCCTGCCGTGAGGAAGAGCGCAGGGCAGACCCTGTTCTCCACGATCGGA
GCGCACGGGACCCTGCTGCAGCACTCCACCTGGCACACCGTTATTTGGAAGGTACTCTTTCATCTACTGG
ACCGAGTTCGAGAATCTTCTACAACTGCAGACAAAGAAAAGATTGAGTCTGGAGGTGGAAATATTTTAAT
TCATCACTCAAGAGACACGGCAGAGAAGCAGTGGGCTGAGACCTGGGTATTGACATTGGCTGGAGTAGCA
CGGATCTTCAACACCAGGAGATACTTGCTGCAGCCTCTAGGAGACTTCTCAAGAGCTTGGGATGTTCTTC
TTGACCACATCCAGTCAGCTGCACTCAGTAAAAACAATGAAGTGTCCCTGGCCGCTCTGAAAAGCTTCCA
GGAGATATTACAGATTGTGTCCCCTGTCCGAGACTCAGAGAAGCCCGAGCCCCCTGCCGTTAGCGTGCCC
GTACCCGTCCTTCTAGGAAACCTTTCCGGCCCAGGCCTGAGCAGGCCGTTTGTGAGGACAGACTCCATTG
GAGAAAAGCTTGGCAGATGCGGCTCGGAGACGCCTGTGGTGACTGACGAGCTGGAAGATCTGAAGCTCTG
GTGGGCTGCCTGGAACACCTGGCACAGGACTGGATCTGAAAGCACAGAGCCGCCCAGCTCCGTCGATGAG
CTGACCTTTATCCCCAGCCAGCCTTTCCTTACAGCCTTAGTTCAGATCTTCCCTGCCCTCTACCAGCACA
TAAAAGCTGGCTTCAGCATGGCCGACTTGCAGAAGCTGGGCGTCATCCTGCACAGCGCTGTCTCTGTCCC
CATCAGTTCTGACGCCTCTCCTTTCATCCTTCCGTCTTACACGGAAGCAGTCCTGACAAGTTTACAGGAA
GCTGTGCTTACGGCCTTAGACGTTCTCCAGAAGGCCATCTGTGTTGGACCAGAAAACATGCAGATCATGT
ACCCGGCTATATTTGACCAGTTGCTGGCGTTCGTAGAGTTTTCCTGTAAACCTCCACAGTATGGACAGCT
GGAAACAAAGCACATTGCAAATGCCAAGTACAACCAGGCGGAATGGGTAGCCTTGAATTATGTACCGTTT
GCTGAAAGATCTTTAGAAGTAGTTGTGGATTTGTATCAAAAAACGGCTTGTCATAAAGCAGTGGTGAATG
AGAAAGTCCTCCAGAATATTATTAAGACTCTCAGGGTTCCTCTCAGTTTGAAGTATTCATGCCCTTCTGA
AAGCACGTGGAAACTGGCGGTAGCCTCTCTCCTCAAAGTCCTGTCCATCGGACTGCCCGTTGCCCGACAG
CATGCTTCCTCGGGGAAATTTGACAGCATGTGGCCAGAGTTAGCCAGCACGCTTGAAGACTTTCTCTTTA
CTAAAAGCATACCTCCAGATAATCTCTCTATTCAAGAATTTCAAAGAAATGAAAGTATTGATGTTGAAGT
TGTTCAGCTCATCAGTGCGGAGATCCTCCCGTATGCCAACCTCATTCCTAAAGCGTTCGTGGGTCAGATG
ATGACCATGCTCAACAAGGGCTCCATCCACTCTCAGCCGTGCTCATTCACAGAAGCAGAAATTGACATTC
GTTTGAGAGAAGAATTTTCTAAAATGTGTTTTGAAACATTGCTCCAGTTTTCCTTCAGTAACAAAGTCAC
AACACCCCAGGAAGGCTACATCTCACGAATGGCACTCTCTGTGCTTTTAAAGAGGTCTCAGGATGTTCTG
CATCGCTACATAGAGGATGAGAGGCTGAGTGGAAAATGCCCTCTCCCAAGGCAGCAAGTGACAGAAATCA
TATTCGTTCTAAAAGCTGTCAGCACTCTCATCGACTCACTGAAGAAGACCCAGCCCGAGAATGTTGATGG
CAATACCTGGTCACAAGTGATTGCCTTGTATCCGACGTTGGTGGAGTGCATCACCTGCTCATCCTCAGAC
GTCGGCTCTGCCCTGAAAGAGGCACTGGCTCCCTTTAAGGACTTCATGCAGCCGCCAGCATCCAGAGTTC
AAAATGGAGAGTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_153395
Insert Size:	5127 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:	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_153395.2, NP_700444.2
RefSeq Size:	9279 bp
RefSeq ORF:	5127 bp
Locus ID:	67074
UniProt ID:	Q80TL7
Cytogenetics:	10 D2
Gene Summary:	May be required for traffic between late Golgi and early endosomes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks two in-frame exons in the coding region compared to variant 1. This results in a shorter protein (isoform 3) compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.