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Product datasheet for MC224857

Mon2 (NM_001163024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mon2 (NM_001163024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mon2
Synonyms:	2610528O22Rik; AW495628; mKIAA1040; Sf21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC224857 representing NM_001163024
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
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AGAGATGCTGGACAAAGTTGAACCCCCAACTATCCCAGAAGGCTATGCCATGTCCGTGGCCTTCCACTGT

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CTGTTGGATCTTGTCCGTGGAATCACCACCATGATAGAAGGAGAGTTGGGAGAGGTAGAAGCAGAGGGTC
CCAGTGTCACAGAGGGAGCCTCTTCACAGTCGTCAGAACGGCGAGACGAGCAGGCGGCATCCGACCCGAT
GGACCAGGAAACAGTGAGCAGAGCTGTTTGGGAAGAGATGGTGAGCGCTTGCTGGTGTGGCCTTCTCGCT
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AGGCTCCTTGCCGCCACACTATGCTCTGACTGTGCTGAACGCCACCACTGCGGCGACACTCTCCAATAAA
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CCGTGGGTCAGCCTCTTGCAGTGCAGCCTCAAGGAACAGTGATGCTGACTTCCAAAAATATTCAGTGCAT
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AATTCATCACTCAAGAGACACGGCAGAGAAGCAGTGGGCTGAGACCTGGGTATTGACATTGGCTGGAGTA
GCACGGATCTTCAACACCAGGAGATACTTGCTGCAGCCTCTAGGAGACTTCTCAAGAGCTTGGGATGTTC
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GAGCTGACCTTTATCCCCAGCCAGCCTTTCCTTACAGCCTTAGTTCAGATCTTCCCTGCCCTCTACCAGC
ACATAAAAGCTGGCTTCAGCATGGCCGACTTGCAGAAGCTGGGCGTCATCCTGCACAGCGCTGTCTCTGT
CCCCATCAGTTCTGACGCCTCTCCTTTCATCCTTCCGTCTTACACGGAAGCAGTCCTGACAAGTTTACAG
GAAGCTGTGCTTACGGCCTTAGACGTTCTCCAGAAGGCCATCTGTGTTGGACCAGAAAACATGCAGATCA
TGTACCCGGCTATATTTGACCAGTTGCTGGCGTTCGTAGAGTTTTCCTGTAAACCTCCACAGTATGGACA
GCTGGAAACAAAGCACATTGCAAATGCCAAGTACAACCAGATCCAACTATTTGCACCGGCGGAATGGGTA
GCCTTGAATTATGTACCGTTTGCTGAAAGATCTTTAGAAGTAGTTGTGGATTTGTATCAAAAAACGGCTT
GTCATAAAGCAGTGGTGAATGAGAAAGTCCTCCAGAATATTATTAAGACTCTCAGGGTTCCTCTCAGTTT
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GGACTGCCCGTTGCCCGACAGCATGCTTCCTCGGGGAAATTTGACAGCATGTGGCCAGAGTTAGCCAGCA
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TGAAAGTATTGATGTTGAAGTTGTTCAGCTCATCAGTGCGGAGATCCTCCCGTATGCCAACCTCATTCCT
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TTCCTTCAGTAACAAAGTCACAACACCCCAGGAAGGCTACATCTCACGAATGGCACTCTCTGTGCTTTTA
AAGAGGTCTCAGGATGTTCTGCATCGCTACATAGAGGATGAGAGGCTGAGTGGAAAATGCCCTCTCCCAA
GGCAGCAAGTGACAGAAATCATATTCGTTCTAAAAGCTGTCAGCACTCTCATCGACTCACTGAAGAAGAC
CCAGCCCGAGAATGTTGATGGCAATACCTGGTCACAAGTGATTGCCTTGTATCCGACGTTGGTGGAGTGC
ATCACCTGCTCATCCTCAGACGTCGGCTCTGCCCTGAAAGAGGCACTGGCTCCCTTTAAGGACTTCATGC

AGCCGCCAGCATCCAGAGTTCAAAATGGAGAGTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001163024
Insert Size:	5148 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001163024.1, NP_001156496.1
RefSeq Size:	9300 bp
RefSeq ORF:	5148 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 (1) represents the longest transcript and encodes the longest 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.