

Product datasheet for **SC304208**

MON2 (NM_015026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MON2 (NM_015026) Human Untagged Clone
Tag:	Tag Free
Symbol:	MON2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304208 representing NM_015026. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGTCCGGCACCAGCAGCCCCGAGGCGGTGAAGAAGCTGCTGGAGAATATGCAGAGCGACTTGCGCGCC
TTGTCAGTGGAGTGCAAGAAGAAATCCACCTGTCAAAGAGGCTGCTGAATCAGGAATAATAAAGTT
AAAACAATTGCTGCACGAAACACTGAAATTTTGGCAGCACTGAAAGAGAACAGCTCAGAGGTTGTACAG
CCTTTTTTAATGGGTTGTGGAACCAAGGAACCGAAGATCACTCAGCTATGTTTGGCTGCTATTACAGAG
CTCATGTACATGAAGTCGTGTCTGAGACTGCAGCTGGAAATATAATTAACATGCTTTGGCAGCTAATG
GAGAATAGTCTTGAAGAACTTAAGCTACTTCAAACAGTTCTTGTCTTTTAACAACCAATACAGTAGTT
CATGATGAGGCACTTTCTAAGGCAATCGTTCTTTGTTTTGACTACACTTCACAAAAGATAATATTACA
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GAACGACACAGAGATATTATAGAACAACCAAGTACTGGTACAAGGAAATAGTAACAGAAGATCTGTCAGT
ACCCTCAAACCTTGTGCTAAAGATGCATATATGCTTTTCCAGGATCTTTGTCAGTTGGTTAATGCTGAT
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CTCAATGATTTTCCGCAGGTCTTTTACAACCAAGAATTTAGTTTCTCCTCAAAGAAAGGGTATGT
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TTAAGGTCATTTTGTGAGTCTATGATATGAAACAGCATTCTACCAAGGTTTTTCGTGATATTGTAAT
GCACTGGGATCTTTTATACAGTCCTTGTCTTGTCCCCCTACTGGAATCCTGCAACAAGCAACCA
GCTGGAACAATAATTTAGGTGGCTCAGTCTCAGCACCAGCTAACTCAGGAATGGTGGGATTGGTGGA
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CTAGGAGAGCTTGAACAGAATGTCAAACCAACCTGAAGAAGGTTCTTCAACCAACAGTCGACAGAA
CAGCAGGATTTACAGTCAACATCAGACCAATGGATAAGGAAATTGTTAGTAGGGCTGTTTGGGAAGAA



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ATGGTGAATGCCTGCTGGTGTGGTCTTCTTGTCTGCACTCTCACTCCTTCTTGATGCCAGCACAGATGAA
 GCTGCCACTGAGAATATTTTAAAGCTGAACTGACTATGGCTGCTCTTTGTGGAAGACTGGGCCTTGTA
 ACTTCAAGAGATGCCTTTATACTGCAATATGCAAAGTTCCCTGCCTCCCCATTATGCTCTTACTGTA
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 GTACTTACAGCTTTAGATGTTCTCCAAAAGGCCATTTGTGTAGGACCAGAAAACATGCAGATAATGTAT
 CCAGCTATATTTGACCAGTTGTTGGCATTGTGAGAATTTTCTGTAAACCTCCACAGTATGGACAGCTG
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 TTGAATTATGTCCGTTTGTGAAAGGTCTTTAGAAGTAGTTGTGGATTTATACCAAAAAACAGCGTGT
 CACAAAGCAGTGGTGAATGAGAAAGTGTCCAGAATATTATTAAGACTCTTAGGGTTCTCTCAGTTTCTTATT
 AAGTATTCTGCCCTTCTGAAAGCACATGGAACTAGCAGTATCCTCTCTCCTCAGAGTTCTTTCTATT
 GGGCTACCTGTTGCCCGCAGCATGCTTCTTCTGAAAAATTTGACAGTATGTGGCCAGAAGTAGCCAAT
 ACTTTTGAAGATTTTCTTCTTACTAAAAGCATACCTCCAGATAATCTCTCTATTCAAGAGTTTCAAAGA
 AATGAAAATATTGATGTCGAGGTAGTTCAACTTATCAGCAATGAGATACTACCTTATGCCAATTTTATT
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 TTTACAGAAGCAGAGATTGATATTCGTTTGTAGAGAGGAATTTTCTAAAATGTGTTTTGAAACATTACTC
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 CTTTTAAAGAGGTCCCAAGATGTACTACATCGCTATATAGAGGATGAAAGATTAAGTGGTAAATGCCCT
 CTTCGAAGGCAACAAGTAACAGAAATTATTTGTTTTAAAGCAGTCAGTACTCTTATTGATTCACCTT
 AAGAAAACCTCAGCCTGAGAATGTTGATGAAAATACCTGGGCACAAGTAATTGCCTTATACCAACTTTA
 GTAGAATGCATCACCTGTTCTTCTTCAAGTCTGTTCTGCACCTAAAGAGGCACTAGTTCCTTTTAAG
 GATTTTCATGCAGCCACCAGCATCCAGAGTTCAAAATGGAGAATCTTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_015026
Insert Size:	5154 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_015026.2</u>
RefSeq Size:	10379 bp
RefSeq ORF:	5154 bp
Locus ID:	23041
UniProt ID:	<u>Q7Z3U7</u>
Cytogenetics:	12q14.1
MW:	190.4 kDa
Gene Summary:	May be required for traffic between late Golgi and early endosomes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).