

Product datasheet for **RN204153**

Mpeg1 (NM_022617) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpeg1 (NM_022617) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mpeg1
Synonyms:	Mpg-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204153 representing NM_022617
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAACAGCTTTCATGGCCATTGCCCTCATCTGGATGATGATAGCATGTGCTGAAGCAGACAAGCCTCTCA
 GAGACCCGGGTATGACTGGATTTCAAACATGCAAGGATACCTTGAAGCTACCTGTCTTGGAGGTCCTGCC
 AGGAGGAGGCTGGGATAATCTGAGAAACATTGACATGGGACGGGTGATAGACTTGACCTACACCAACTGT
 AAGACCACAGAAGATGGACAGTACATTATCCCTGATGAAGTCTATACTATTCTCAGAAGGAGAGCAACC
 TGGAGATGAATTCAGAATCCTGGGATTCTGGGTGAATTACCAAAGTACCACCTCATTTTCCATCAACAC
 GGAAGTCTCCCTTTCTCAAAGTCAATGGCAAGTTCTCTACAGAGTTCCAAAGGATGAAGACCTTCAA
 GTAAAGGACCAAGCTGTAAGTACTAGAGTTCAGGTAAGAAACCGGATCTACACAGTCAAAAACAGCCCAA
 CTTGAGAGCTCAGCTTCGGGTTTACGAACGCACCTTATGGACATCTGTGACCAATTAGAGAAAAACAGAC
 GAAGATGGCCACCTACCTGGCAGAACTCTTGGTCTCAACTATGGCACACATGTTATCACCAGTGTGGAT
 GCTGGGGCTGCACTGGTTGAGGAGGATCACATCAGGTCTCTCTCTCTGGACAAACAGAACAGTGAGA
 ATACTGTGACTGCCTCTGCTGGGATTGCCTTCTTAAACATTGTGAACCTTAAAGTTGAAACAGACCACAC
 TTCTCAGACCTTTTGACCAAGAGCTACCTGTCTAACAGAACCAACTCCAGGGTGCGAGAGCTTTGGAGGG
 ATTCCTTCTATCCAGGAATTACCTTAGAAACCTGGCAGAAAGGCATCACTAACCACTAGTGGCAATAG
 ACCGAGCTGGCTTGCCTCTGCATTTCTTATTAAAGCCTGACAACTGCCTGGTTTGGCGGTGGCTTGGT
 GAAAAAGCTGTGAAGACAGTGGAACTGCTGTGAGACATTATTACACATTTAACTCACCCTGGCTGC
 ACGAATGTCGACTCCCCAACTTCAATTTCAAGCCAATATGGAAGATGATTCGTGTGATGCGAAAGTAA
 CCAACTTCACCTTTGGTGGACTTTATCAGGAATGCACTGAAGTGTGAGGTGATGCTCTTTGCCAAACCT
 GGAGCAGAAGAATCTGCTTACTGGTGATTCTCTTGTCCCTCTGGCTACACCCCTGTCCATCTGCTGTCT
 CAGACCCATGAGGAGGGTTACAGTCGCCTGGAATGTAAGAAAGAAATGCACCTCAAGATTTTCTGTAAGA
 CAGTGTGTGAAGATGTGTTCCGAGTGGCCAAAGCTCAATTCAGGGCTTATTGGTGCCTAGCACTGGCCA
 AGTACCTGACAACTCAGGACTTCTTTGGAGGACTCTTCACTGACAAGAGCATCAACCAATGACAAAT
 GCACAGTCATGCCAGCTGGCTACATTCCACTGAACCTGTTTGAAGCCTTAAGGTATGTGTGCTCCTGG
 ATTATGAGTTGGGTACAAGTTTTCAGTTCCTTTGGTGGTTCTTCAGCTGTATAATGGGAACCCCT
 GGTTAATTCTGATACAGCCAAAGACATAGGAGCACCCTCTGAAAAATGCTGGGGGCTTCAGCCAA
 CACCTAGCTGTTATCAGTGATGGATGCCAAGTGTCTACTGTGTCAAGGCTGGAATCTTTACAGGAGGGT
 CCCTGCTCCCTGTGAGGCTTCCACCTTACACCAAGCCACCCCTCATGAGCCAAGTTGCCACCAACTGT
 CATAGTGACCAAGTGTGAGACTGCCAGATCCTGGATTAAGGATCCTCAGACCAACCAAGTGAAGCTGGGA
 GAGCCTCTGGAGCTTCATAAAGCCATGACTGTCATCCATGGGACGGTAATGGAATGTGAGGAGGGGAAGC
 TGCTGGAGTCACGTTGGGAGTCAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1848_a11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022617

Insert Size: 1989 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_022617.1 , NP_072139.1
RefSeq Size:	2242 bp
RefSeq ORF:	2166 bp
Locus ID:	64552
Cytogenetics:	1q43
Gene Summary:	may be involved in the pathogenesis of disease related renal injury [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. COMPLETENESS: complete on the 3' end.