

Product datasheet for **SC319534**

MPG (NM_001015054) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MPG (NM_001015054) Human Untagged Clone
Tag: Tag Free
Symbol: MPG
Synonyms: AAG; ADPG; anpg; APNG; CRA36.1; MDG; Mid1; PIG11; PIG16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001015054.1
 AGGGGTGCTTCCGTGGTCGGCGGCTGCTGGGCTCCGCGCCGGGTCGAGTCCCACGAAG
 CCCC GGCCGAGCCGCGGATGCCCGCGCAGCGGGGCCAGTTTGGCGACGGATGGG
 GCAAAAGAAGCAGCGACCAGCTAGAGCAGGGCAGCCACACAGCTCGTCCGACGCAGCCCA
 GGCACCTGCAGAGCAGCCACACAGCTCGTCCGATGCAGCCAGGCACCTTGCCCCAGGGA
 GCGCTGCTTGGGACCGCCACCACTCCGGGCCATACCGCAGCATCTATTTCTCAAGCCC
 AAAGGGCCACCTTACCCGACTGGGGTTGGAGTTCTTCGACCAGCCGGCAGTCCCCCTGGC
 CCGGGCATTCTGGGACAGTCCAGTCCGGCGACTTCCCTAATGGCACAGAACTCCGAGG
 CCGCATCGTGGAGACCGAGGCATACCTGGGGCCAGAGGATGAAGCCGCCACTCAAGGGG
 TGGCCGGCAGACCCCGCAACCGAGGCATGTTTCATGAAGCCGGGGACCCCTGTACGTGTA
 CATCATTTACGGCATGTACTTCTGCATGAACATCTCCAGCCAGGGGGACGGGGCTTGCCT
 CTGCTGCGAGCACTGGAGCCCTGGAAGTCTGGAGACCATGCGTCAGCTTCGCGAGCAC
 CCTCCGGAAAGGCACCGCCAGCCGTGTCCTCAAGGACCGCGAGCTCTGCAGTGGCCCTC
 CAAGCTGTGCCAGGCCCTGGCCATCAACAAGAGCTTTGACCAGAGGGACCTGGCACAGGA
 TGAAGCTGTATGGCTGGAGCGTGGTCCCCTGGAGCCCAGTGAGCCGGCTGTAGTGGCAGC
 AGCCCGGGTGGGCGTCGGCCATGCAGGGGAGTGGGCCCGAAACCCCTCCGCTTCTATGT
 CCGGGGCAGCCCTGGGTGAGTGGTGCAGAGAGTGGCTGAGCAGGACACACAGGCCTG
 AGCAAAGGGCCTGCCAGACAAGATTTTTTAATTGTTTAAAAACCGAATAAATGTTTTAT
 TTCTAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001015054



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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:	<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_001015054.1</u> , <u>NP_001015054.1</u>
RefSeq Size:	1055 bp
RefSeq ORF:	846 bp
Locus ID:	4350
UniProt ID:	<u>P29372</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Base excision repair
Gene Summary:	<p>Hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a.</p>