

Product datasheet for **SC301992**

MPG (NM_001015052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPG (NM_001015052) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPG
Synonyms:	AAG; ADPG; anpg; APNG; CRA36.1; MDG; Mid1; PIG11; PIG16
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001015052, the custom clone sequence may differ by one or more nucleotides ATGCCCGCGCGCAGCGGGGCCAGTTTTGCCGACGGATGGGGCAAAGAAGCAGCGACCA GCTAGAGCAGGGCAGCCACACAGCTCGTCCGACGAGCCAGGCACCTGCAGAGCAGCCA CACAGCTCGTCCGATGCAGCCCAGGCACCTTGCCCCAGGGAGCGCTGCTTGGGACCGCC ACCACTCCGGGCCATACCGCAGCATCTATTTCTCAAGCCCAAAGGGCCACCTTACCCGA CTGGGGTTGGAGTTCTTCGACCAGCCGGCAGTCCCCTGGCCCGGCATTCTGGGACAG GTCCTAGTCCGGGACTTCCTAATGGCACAGAACTCCGAGCCGCATCGTGGAGACCGAG GCATACCTGGGGCCAGAGGATGAAGCCGCCCACTCAAGGGGTGGCCGGCAGACCCCGC AACCGAGGCATGTTTCATGAAGCCGGGACCCCTGTACGTGTACATATTTACGGCATGTAC TTCTGCATGAACATCTCCAGCCAGGGGGACGGGGCTTGCCTTTGCTGCGAGCACTGGAG CCCCTGGAAGGTCTGGAGACCATGCGTCAGCTTCGACGACCCTCCGAAAGGCACCGCC AGCCGTGTCTCAAGGACCGCGAGCTCTGCAGTGGCCCTCCAAGCTGTGCCAGGCCCTG GCCATCAACAAGAGCTTTGACCAGAGGGACCTGGCACAGGATGAAGCTGTATGGCTGGAG CGTGGTCCCCTGGAGCCAGTGAAGCCGGCTGTAGTGGCAGCAGCCCGGTGGGCGTCGGC CATGCAGGGGAGTGGGCCGAAACCCCTCCGCTTCTATGTCCGGGGCAGCCCTGGGTC AGTGTGGTCGACAGAGTGGCTGAGCAGGACACACAGGCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001015052
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.



[View online »](#)

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:	NM_001015052.1 , NP_001015052.1
RefSeq Size:	1112 bp
RefSeq ORF:	882 bp
Locus ID:	4350
UniProt ID:	P29372
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 (2) lacks an exon in the 5' region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.</p>