

Product datasheet for SC122628

MPG (NM_002434) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MPG (NM_002434) Human Untagged Clone
Tag: Tag Free
Symbol: MPG
Synonyms: AAG; ADPG; anpg; APNG; CRA36.1; MDG; Mid1; PIG11; PIG16
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002434 edited
 AGGGGTGCTTCCGTGGTCGGCGGCTGCTGGGCTCCGCGCCGGGTCGAGTCCCACGAAG
 CCCC GGCCCGAGCCGCGGATGCCCGCGCAGCGGGGCCAGTTTGGCGACGGATGGG
 GCAAAAGAAGCAGCGACCAGCTAGAGCAGGGCAGCCACACAGCTCGTCCGACGCAGCCCA
 GGCACCTGCAGAGCAGCCACACAGCTCGTCCGATGCAGCCAGGCACCTTGCCCCAGGGA
 GCGCTGCTTGGGACCGCCACCACTCCGGGCCATACCGCAGCATCTATTTCTCAAGCCC
 AAAGGGCCACCTTACCCGACTGGGGTTGGAGTTCTTCGACCAGCCGGCAGTCCCCCTGGC
 CCGGGCATTCTGGGACAGGTCCTAGTCCGGCGACTTCTTAATGGCACAGAACTCCGAGG
 CCGCATCGTGGAGACCGAGGCATACCTGGGGCCAGAGGATGAAGCCGCCACTCAAGGGG
 TGGCCGGCAGACCCCGCAACCGAGGCATGTTTCATGAAGCCGGGACCCCTGTACGTGTA
 CATCATTTACGGCATGTACTTCTGCATGAACATCTCCAGCCAGGGGGACGGGGCTTGCCT
 CTTGCTGCGAGCACTGGAGCCCCTGGAAGTCTGGAGACCATGCGTCAGTTTCGACGAC
 CCTCCGAAAGGCACCGCCAGCCGTGTCCTCAAGGACCGCGAGCTCTGCAGTGGCCCCCTC
 CAAGCTGTGCCAGGCCCTGGCCATCAACAAGAGCTTTGACCAGAGGGACCTGGCAGAGGA
 TGAAGCTGTATGGCTGGAGCGTGGTCCCCTGGAGCCCAGTGAGCCGGCTGTAGTGGCAGC
 AGCCCCGGTGGGCGTCGGCCATGCAGGGGAGTGGGCCCGAAACCCCTCCGCTTCTATGT
 CCGGGGCAGCCCCCTGGGTGAGTGGTGCAGAGAGTGGCTGAGCAGGACACAGGCCTG
 AGCAAAGGGCCTGCCAGACAAGATTTTTTAATTGTTTAAAAACCGAATAAATGTTTTAT
 TTCTAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002434 unedited CGTCCGTTTTGTATACGCCTCCTATAGGCGGCCGCAATTCGGCACGAGGAGGGGTGCTT CCGTGGTCGGCGGCTGCTGGGCTCCGCGCCGGGTCCGAGTCCCACGAAGCCCCGGCCCG AGCCCGCCGGATGCCCGCGCGCAGCGGGGCCAGTTTTGCCGACGGATGGGGCAAAGAAG CAGCGACCAGCTAGAGCAGGGCAGCCACACAGCTCGTCCGACGCGCCAGGCACCTGCA GAGCAGCCACACAGCTCGTCCGATGCAGCCAGGCACCTTGCCCCAGGGAGCGCTGCTTG GGACCGCCACCCTCCGGGCCATACCGCAGCATCTATTCTCAAGCCAAAGGGCCAC CTTACCCGACTGGGGTTGGAGTTCTTCGACCAGCCGCGAGTCCCCCTGGCCCGGCATTT CTGGGACAGGTCCTAGTCCGGCGACTTCTTAATGGCACAGAACTCCGAGGCCGCATCGTG GAGACCGAGGCATACCTGGGGCCAGAGGATGAAGCCGCCCACTCAAGGGGTGGCCGGCAG ACCCCCGCAACCGAGGCATGTTTCATGAAGCCGGGGACCCTGTACGTGTACATCATTTAC GGCATGTACTTCTGCATGAACATCTCCAGCCAGGGGGACGGGGCTTGCCTTGTGCGA GCACTGGAGCCCCTGGAAGGTCTGGAGACCATGCGTCAGCTTCGACGACCCTCCGGAAA GGCACCGCCAGCGTGTCTCAAGGACCGCGAGCTCTGCAGTGGCCCTCCAAGCTGTGC CAGGCCCTGGCCATCAACAAGAGCTNTGACCAGAGGGACCTGGCAGAGGATGAAGCTGTA TGCTGGAGCGTGGTCCCTGGAGCCCAGTGAGCCCGCTGTAGTGGCAGCAGCCCGGTG GGCGTNCGCCATGCAGGGGA
Restriction Sites:	Please inquire
ACCN:	NM_002434
Insert Size:	1051 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:	<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_002434.2 , NP_002425.2
RefSeq Size:	1305 bp
RefSeq ORF:	897 bp
Locus ID:	4350
UniProt ID:	P29372
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Base excision repair

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).