

Product datasheet for **RC216029A1V**

Human Myeloperoxidase (MPO) (NM_000250) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Myeloperoxidase (MPO) (NM_000250) AAV Particle
Tag:	Myc-DDK
Symbol:	MPO
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216029 representing NM_000250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGGTTCCCTTCTTCTCTCTCAGATGCATGGTGGACTTAGGACCTTGCTGGGCTGGGGTCTCA
 CTGCAGAGATGAAGCTGCTTCTGGCCCTAGCAGGGCTCCTGGCCATTCTGGCCACGCCCCAGCCCTCTGA
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 CAGCTGGTGGACAAGGCTACAAGGAGCGGGGAAAGCATCAAGCAGCGGCTTCGACGCGGCTCAGCCA
 GCCCCATGGAACCTCTATCTACTTCAAGCAGCGGTGGCAGCCACCAGGACGGCGGTGAGGGCCGCTGA
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 AACCAATTGCAGTGGATGAGATCCGGGAGCGATTGTTTGAGCAGGTGATGAGGATTGGGCTGGACCTGC
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 GCTCCCGCAGCTGAACTGTGGGCCAGCTGGGCACGGTGTGAGGAACCTGAAATTGGCGAGGAACTG
 ATGGAGCAGTATGGCAGCCCAACAACATCGACATCTGGATGGGCGGCGTGTCCGAGCCTCTGAAGCGCA
 AAGGCCGCTGGGCCCCCTCTCGCCTGCATCATCGGTACCCAGTTCAGGAAGCTCCGGGATGGTGATCG
 GTTTTGGTGGGAGAACGAGGGTGTGTTTCAAGATGCAGCAGCGACAGGCCCTGGCCAGATCTCATTGCC
 CGGATCATCTGCGACAACACAGGCATCACCACCGTGTCTAAGAACAACATCTTCATGTCCAACATCATC
 CCCGGGACTTTGTCAACTGCAGTACACTTCTGCAATTGAACCTGGCTTCTGGAGGAAGCCTCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC216029 representing NM_000250 Red=Cloning site Green=Tags(s) MGVPPFSSLRRCMVDLGPCWAGGLTAEMKLLLAGLLAILATPQPSEGAAPAVLGEVDTSLVLSMEEAK QLVDKAYKERRESIKQLRSGSASPMELLSYFKQPVAAATRTAVRAADYLHVALDLLERKLRSLWRRPFNV TDVLTPAQLNVLSKSSGCAYQDVGVTCPEQDKYRTITGMCNNRRSPTLGASNRAFVRWLP AEYEDGFSLP YGWTPGVKRNQFPVALARAVSNEIVRFPTDQLTPDQERSLMFMQWQQLLDHDLDFTEPAARASFVTGVN CETSCVQPPCFPLKIPPNDPRIKNQADCIPFFRSCPACPGSNITIRNQINALTSFVDASMVYGSEELA RNLRNMSNQLGLLAVNQRFQDNGRALLPFDNLHDDPCLLTNRSARIPCFLAGDTRSEMPELTSMTLL REHNRLATELKS LNPRWDGERLYQEARKIVGAMVQIITYRDYLPVLGPTAMRKYLPTYRSYNDSDVPRI ANVFTNAFRYGH TLIQPFMRLDNRYQPMENPRVPLSRVFFASWRVVLEGGIDPILRGLMATPAKLNRQ NQIAVDEIRERLFEQVMRIGLDLPALNMQSRDHGLPGYNWRRFCGLPQPETVGQLGTVLRLNKLARKL MEQYGTNNIDIWMGGVSEPLKRKGRVGPLLACIIGTQFRKLRDGRFVWENEGVFSMQQRQALAQISLP RIICDNTGITT VSKNNIFMSNSYPRDFVNCSTLPALNLASWREAS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000250
ORF Size:	2235 bp
Buffer:	PBS with 0.001% Pluronic F7477
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_000250.1</u>
RefSeq Size:	3215 bp
RefSeq ORF:	2238 bp
Locus ID:	4353
UniProt ID:	<u>P05164</u>
Cytogenetics:	17q22
MW:	83.7 kDa