

Product datasheet for **RC203237A1V**

Human FMO2 (NM_001460) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FMO2 (NM_001460) AAV Particle
Tag:	Myc-DDK
Symbol:	FMO2
Synonyms:	FMO1B1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC203237 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCAAAGAAGGTAGCTGTGATTGGAGCTGGGGTCAGTGGCCTAATTTCTCTGAAGTGTGTGGATG
 AGGGACTTGAGCCCACTTGCTTTGAGAGAACTGAAGATATTGGAGGAGTGTGGAGTTCAAAGAGAATGT
 GGAAGATGGCCGAGCAAGTATCTATCAATCTGTCGTTACCAACACCAGCAAAGAAATGTCCTGTTTCAGT
 GACTTTCCAATGCCTGAAGATTTTCAAACCTCCTGCATAATTCTAACTTCTGGAATATTTAGGATTT
 TTGCTAAAAAATTTGATCTGCTAAAAATATTCAGTTCAGACAACTGTCCTTAGTGTGAGAAAAATGTC
 AGATTTCTCATCTCTGGCAATGGAAGTTGTCACTCAGAGCAACGGCAAGGAGCAGAGTGTGTCTTT
 GACGCAGTTATGGTTTGAGTGGCCACCACATTCTACCTCATATCCCACTGAAGTCATTTCCAGGTATGG
 AGAGGTTCAAAGGCCAATATTTCCATAGCCGCCAATACAAGCATCCAGATGGATTTGAGGGAAAACGCAT
 CCTGGTGATTGGAATGGGAACTCAGGCTCAGATATTGCTGTTGAGCTGAGTAAGAATGTGCTCAGGTT
 TTTATCAGCACCAGGCATGGCACCTGGGTCATGAGCCGTATCTCTGAAGATGGCTATCCTTGGGACTCAG
 TGTTCCACACCCGGTTTCGTTCTATGCTCCGCAATGTAAGTCCACGAACAGCTGTAAAATGGATGATAGA
 ACAACAGATGAATCGGTGGTTCAACCATGAAAATTATGGCCTTGAGCCTCAAAACAAATACATTATGAAG
 GAACCTGTACTAAATGATGATGTCCCAAGTCGCTACTCTGTGGAGCCATCAAGGTGAAATCTACAGTGA
 AAGAGCTCACAGAACTTCTGCCATCTTTGAGGATGGAACAGTGGAGGAGAACATTGATGTCATCATTTT
 TGCAACAGGATATAGTTTCTCTTTCCCTTCTTGAAGATTCACTCGTTAAAGTAGAGAATAATATGGTC
 TCACTGTATAAATACATATTTCCCGCTCACCTGGACAAGTCAACCCTCGCGTGCATTGGTCTCATCCAGC
 CCCTAGGTTCCATTTTCCAACCTGCTGAAGTCAAGCTCGTTGGGTGACAAGATTTTCAAAGGCTTGTG
 TAGCCTGCCCTCAGAGAGAACTATGATGATGGACATTATCAAAAGGAATGAAAAAAGAATTGACCTGTTT
 GGAGAAAGCCAGAGCCAGACGTTGCAGACCAATTATGTTGACTACTTGGACGAGCTCGCCTTAGAGATAG
 GTGCGAAGCCAGATTTCTGCTCTCTTGTCAAAGATCCTAACTGGCTGTGAGACTCTATTTCCGACC
 CTGCAACTCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203237 protein sequence
 Red=Cloning site Green=Tags(s)

MAKKVAVIGAVSGLISLKCCVDEGLEPTCFERTEDIGGVWRFKENVEDGRASIYQSVVTNTSKEMSCFS
 DFPMPEDFPNLFHNSKLLLEYFRIFAKKFDLLKYIQFQTTVL SVRKCPDFSSSGQWKVVTQSNKEQSAVF
 DAVMVCSGHHILPHIPLKSFPGMRFKQYFHSRQYKHPDGFEGKRILVIGMGNSGSDIAVELSKNAAQV
 FISTRHGTWMSRISEGYPWDSVFHTRFRSMLRNVLPRTAVKWMIEQQMNRWFNHNENYGLEPQNKYIMK
 EPVLNDDVPSRLLCGAIKVKSTVKELTETSAIFEDGTVEENIDVIFATGYSFSFPFLEDLSLVKENNMV
 SLYKYIFPAHLDKSTLACIGLIQPLGSIFPTAELQARWVTRVFKGLCSLPSEPTMMMDIIKRNEKRIDL
 GESQSQTLQTNVYDYLDELALEIGAKPDFCSLLFKDPKLAVRLYFGPCNSY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001460

ORF Size:

1413 bp

Buffer:

PBS with 0.001% Pluronic F68

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_001460.2</u>
RefSeq Size:	5304 bp
RefSeq ORF:	1608 bp
Locus ID:	2327
UniProt ID:	<u>Q99518</u>
Cytogenetics:	1q24.3
MW:	53.6 kDa