

Product datasheet for **RC212376A1V**

Human FMO3 (NM_001002294) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FMO3 (NM_001002294) AAV Particle
Tag:	Myc-DDK
Symbol:	FMO3
Synonyms:	dj127D3.1; FMOII; TMAU
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC212376 representing NM_001002294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGGGAAGAAAGTGGCCATCATTGGAGCTGGTGTGAGTGGCTTGGCCTCCATCAGGAGCTGTCTGGAAG
 AGGGGCTGGAGCCACCTGCTTTGAGAAGAGCAATGACATTGGGGCCTGTGAAATTTTCAGACCATGC
 AGAGGAGGGCAGGGCTAGCATTACAAATCAGTCTTTCCAACCTCTCCAAAGAGATGATGTGTTTCCCA
 GACTTCCCATTTCCCGATGACTTCCCCAAGTTTATGCACAACAGCAAGATCCAGGAATATATCATTGCAT
 TTGCCAAAGAAAAGAACCTCCTGAAGTACATACAAATTAAGACATTTGTATCCAGTGTAATAAACATCC
 TGATTTTGCAACTACTGGCCAGTGGGATGTTACCACTGAAAGGGATGGTAAAAAGAATCGGCTGTCTTT
 GATGCTGTAATGGTTTGTCCGACATCATGTGTATCCCAACCTACCAAAAGAGTCCTTTCCAGGACTAA
 ACCACTTTAAAGGCAATGCTTCCACAGCAGGGACTATAAAGAACCAGGTGTATTCAATGAAAGCGTGT
 CCTGGTGGTTGGCCTGGGGAATTCGGGCTGTGATATTGCCACAGAACTCAGCCGCACAGCAGAACAGGTC
 ATGATCAGTTCAGAAAGTGGCTCCTGGGTGATGAGCCGGTCTGGGACAATGTTATCCTTGGGACATGC
 TGCTCGTCACTCGATTGGAACCTTCTCAAGAACAATTTACCGACAGCCATCTCTGACTGGTTGTACGT
 GAAGCAGATGAATGCAAGATTCAAGCATGAAAATATGGCTTGATGCCTTTAAATGGAGTCTGAGGAAA
 GAGCCTGTATTTAACGATGAGCTCCAGCAAGCATTCTGTGTGGCATTGTGTCCGTAAAGCCTAACGTGA
 AGGAATTCACAGAGACCTCGGCCATTTTGGAGTGGGACCATATTTGAGGGCATTGACTGTGTAATCTT
 TGCAACAGGGTATAGTTTGCCTACCCCTTCTTGATGAGTCTATCATCAAAAGCAGAAACAATGAGATC
 ATTTTATTTAAAGGAGTATTTCTCTCTACTTGAGAAGTCAACCATAGCAGTGATTGGCTTTGTCCAGT
 CCCTTGGGGCTGCCATTCCCACAGTTGACCTCCAGTCCGCTGGGCAGCACAAGTAATAAAGGGAACCTTG
 TACTTTGCCTTCTATGGAAGACATGATGAATGATTAATGAGAAAAATGGAGAAAAAGCGCAATGGTTT
 GGCAAAAGCGAGACCATACAGACAGATTACATTGTTTATATGGATGAACTCTCCTCCTTATTGGGGCAA
 AGCCCAACATCCCATGGCTGTTTCTCACAGATCCCAAATTGGCCATGGAAGTTTATTTTGGCCCTGTAG
 TCCCTACCAGTTTAGGCTGGTGGGCCAGGGCAGTGGCCAGGAGCCAGAAATGCCATACTGACCCAGTGG
 GACCGGTCTTGAACCCATGCAGACACGAGTGGTGGGAGACTTCAGAAGCCTTGCTTCTTTTCCATT
 GGCTGAAGCTCTTGAATTCTATTCTGTTAATCGCTGTTTTCCTTGTGTTGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MGKKVAIIGAGVSGLASIRSCLEEGLEPTCFEKSNDIGGLWKFSHAEGRASIYKSVFSNSSKEMMCFP
 DFPFPDDFPNFMHNSKIQEYIIAFAKEKNLLKYIQKTFVSSVNKHPDFATTGQWDVTERDGGKESAVF
 DAVMVCSGHHVYPNLPKESFPLNHFKGKCFHSRDYKEPGVFNGKRVLVVGLGNSGCDIATELSRTAEQV
 MISSRSGSWVMSRVWDNGYPWDMLLVTRFGTFLKNNLPTAISDWLYVKQMNARFKHENYGLMPLNGVLRK
 EPVFNDELPAISILCGIVSVKPNVKEFTETSAIFEDGTIFEGIDCVIFATGYSFAYPFLDESIKSRNNEI
 ILFKGVFPPLLEKSTIAVIGFVQSLGAAIPTVDLQSRWAAQVIKGTCTLPSPMEDMMNDINEKMEKKRWK
 GKSETIQTDIYVMDLSSFIGAKPNIPWLFLTDPKLAMEVYFGPCSPYQFRLVGPGQWPARNAILTQW
 DRSLKPMQTRVVGRLQKPCFFHKLFAIPILLIAVFLVLT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001002294

ORF Size:

1596 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_001002294.1</u>
RefSeq Size:	2070 bp
RefSeq ORF:	1599 bp
Locus ID:	2328
UniProt ID:	<u>P31513</u>
Cytogenetics:	1q24.3
MW:	59.9 kDa