

Product datasheet for **RC220717A1V**

Human Myelin expression factor 2 (MYEF2) (NM_016132) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Myelin expression factor 2 (MYEF2) (NM_016132) AAV Particle
Tag:	Myc-DDK
Symbol:	MYEF2
Synonyms:	HsT18564; MEF-2; MST156; MSTP156; myEF-2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220717 representing NM_016132
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGACGCCAACAGGCCGAGGTGCCCGGGGCCACTGGTGGCGACAGCCCGCACCTGCAGCCCGCAG
 AGCCCGCCGGGCGAGCCGCGGCGAGAGCCGACCCCGCGGAGGCGGAGAAGCAGCAGCCGAGCACAGCAG
 CAGCTCCAATGGCGTTAAATGGAGAATGATGAATCAGCAAAAGAGAGAAATCTGACTTAAAGGAAAAA
 TCTACAGGAAGTAAGAAGGCCAATAGATTTTCCTTATTCAAAGACAAGAATTCGGGCACTGGAGAAA
 AGAAGGGTCCAAATCGTAACAGAGTTTTTATTAGCAACATCCCATATGACATGAAATGGCAAGCTATTAA
 AGATCTAATGAGAGAGAAAGTTGGTGGGTACATACGTGGAGCTCTTAAGGATGCGGAAGGAAAAATCA
 AGGGGTGTGGTGTGGTTGAATTCAGAGATGAAGAATTTGTAAGAAAGCCCTAGAAACTATGAACAAAT
 ATGATCTTAGTGAAGACCCCTTAATATTAAGAGGATCTGATGGAGAAAATGCTCGTAGGGCATTGCA
 GCGAACAGGAGGATCATTTCAGGAGGACAGTCCCTGATATGGGATCAGGGTTGATGAATTTACCACCT
 TCCATACTCAATAATCCAACATTCTCTCTGAAGTCATCAGTAATTTGCAGGCCGCTAGACTTGGTTCCA
 CAATTTTTGTTGCCAATCTTGACTTCAAAGTTGGTTGGAAGAAGCTAAAGGAAGTGTTCAGCATAGCTGG
 AACTGTGAAGCGGCGAGATATTAAGAAGACAAAGATGGCAAGAGCAGAGGAATGGGCACTGTCACTTTT
 GAGCAAGCAATTGAAGCAGTTCAAGCAATTTCTATGTTCAATGGGCACTTTTATTTGATAGACCTATGC
 ATGTGAAAATGGATGACAAGTCTGTTCCCTCATGAAGAGTACCGTTCACATGATGGTAAACACCACAATT
 ACCACGTGGTCTTGGAGGCATTGGGATGGGACTTGGTCCGGGTGGACAGCCTATTAGTGCCAGCCAGTTG
 AACATAGGTGGAGTAATGGGAAATTTAGGTCCAGGTGGTATGGGAATGGATGGTCCAGGTTTGGAGGAA
 TGAATAGAATTGGAGGAGGAATAGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGGAGGATTTGGAGG
 AGTTGGCCGAATGGGAGAGCTGTACCGTGGTGGATGACTAGTAGCATGGAGCGAGATTTTGGACGTGGT
 GATATTGGAATAAATCGAGGCTTTGGAGATTCTTTGGTAGACTTGGCAGTGCAATGATTGGAGGTTTGG
 CAGGAAGAATAGGATCTTCTAACATGGGTCCAGTAGGATCTGGAATAAGTGGTGAATGGGTAGCATGAA
 CAGTGTGACTGGAGGAATGGGGATGGGACTGGACCGGATGAGTTCCAGCTTTGATAGAATGGGACCAGGT
 ATAGGAGCTATACTGAAAGGAGCATCGATATGGATCGAGGATTTTATCGGGTCCAATGGGAAGCGGAA
 TGAGAGAGAGAATAGGCTCCAAAGGCAACCAGATTTTGTGAGAAATCTACCTTTTGACTTGACTTGGCA
 GAACTAAAAGAGAAATTCAGTCAGTGTGGTCATGTAATGTTTGCAGAAATAAAATGGAGAATGGAAG
 TCAAAAGGCTGTGGAACAGTCAGATTTGACTCCCAGAAATCAGCTGAAAAAGCCTGCAGAATAATGAATG
 GCATAAAATCAGTGGCAGAGAAATTGATGTTCTGCTTGGATCGTAATGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MADANKAEVPGATGGDSPHLQPAEPPGEPRRPHPAEAEKQQPQHSSSSNGVKMENDESAAKEEKSDLKEK
 STGSKKANRFHPYSKDKNSGTGEKKGPNRNRVFNISNIPYDMKWQAIKDLMREKVGEVYVELFKDAEGKS
 RCGVVEFKDEEFVKKALETMNKYDLGRPLNIKEDPDGENARRALQRTGGSFPGGHVPMDSGLMNLPP
 SILNNPNIPPEVISNLQAGRLGSTIFVANLDFKVGWKKLKEVFSIAGTVKRADIKEDKDGSRMGVTFT
 EQAIEAVQAISMFGQFLFDRPMHVKMDDKVPHEEYRSHDGKTPQLPRGLGGIGMGLPGGQPIASQL
 NIGGVMGNLPGGGMGMDGPGFGGMNRIIGGIGFGLLEAMNSMGGFGGVGRMGELYRGAMTSSMERDFGRG
 DIGINRGFGDSFGRLGSAMIGGFAGRIGSSNMGPVSGISGGMGSMNSVTGGMGMLDRMSSSFDRMGPG
 IGAILERSIDMDRGFLSGPMGSGMRERIGSKGNQIFVRNLPDLTWQKLKEKFSQCGHVMFAEIKMENGK
 SKGCGTVRFDSPEAEKACRIMNGIKISGREIDVRLDRNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_016132
ORF Size:	1800 bp
Buffer:	PBS with 0.001% Pluronic F8218
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_016132.2, NP_057216.2</u>
RefSeq Size:	4544 bp
RefSeq ORF:	1803 bp
Locus ID:	50804
UniProt ID:	<u>Q9P2K5</u>
Cytogenetics:	15q21.1
MW:	64 kDa