

Product datasheet for **RC200869A1V**

Human METTL3 (NM_019852) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human METTL3 (NM_019852) AAV Particle
Tag:	Myc-DDK
Symbol:	METTL3
Synonyms:	hMETTL3; IME4; M6A; MT-A70; Spo8
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200869 representing NM_019852
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACACGTGGAGCTCTATCCAGGCCACAGAAGCAGCTGGACTCTCTGCGGGAGAGGCTGCAGC
 GGAGGCCGAAGCAGGACTCGGGGCACTTGGATCTACGGAATCCAGAGGCAGCATTGTCTCAACCTTCCG
 TAGTGACAGCCAGTGCCTACTGCACCCACCTCTGGTGCCCTAAGCCAGCACAGCTTACGAGTTCTT
 GAATTAGCTACAGATCCTGAGTTAGAGAAGAAGTTGCTACACCACCTCTCTGATCTGGCCTTAACATTGC
 CCACTGATGCTGTGTCCATCTGTCTTGCCATCTCCACGCCAGATGCTCCTGCCACTCAAGATGGGGTAGA
 AAGCCTCTGCAGAAGTTGCAGCTCAGGAGTTGATTGAGGTAAGCGAGGTCTCTACAAGATGATGCA
 CATCCTACTCTTGTAACCTATGCTGACCATTCCAAGCTCTCTGCCATGATGGGTGCTGTGGCAGAAAAGA
 AGGGCCCTGGGAGGTAGCAGGACTGTCACAGGCAGAACGGCGTGCAGAACAGGACTCGACTACAGT
 AGCTGCCTTTGCCAGTTCGTTAGTCTCTGGTCTGAACCTTTCAGCATCGGAACCAGCAAAGGAGCCAGCC
 AAGAAATCAAGGAAACATGCTGCCTCAGATGTTGATCTGGAGATAGAGAGCCTTCTGAACCAACAGTCCA
 CTAAGGAACAACAGAGCAAGAAGGTCACTCAGGAGATCCTAGAGCTATTAATACTACAACAGCCAAGGA
 ACAATCCATTGTTGAAAAATTCGCTCTCGAGGTCTGGGCCCAAGTGCAAGAATTCTGTGACTATGGAACC
 AAGGAGGAGTGATGAAAGCCAGTGATGCTGATCGACCCTGTCGCAAGCTGCACTTCAGACGAATTATCA
 ATAAACACACTGATGAGTCTTTAGGTGACTGCTCTTCCCTTAATACATGTTTCCACATGGATACCTGCAA
 GTATGTTCACTATGAAATTGATGCTTGCATGGATTCTGAGGCCCTGGCAGCAAGACCACACGCCAAGC
 CAGGAGCTTGCTTTACACAGAGTGTGCGAGGTGATTCCAGTGCAGACCGACTCTTCCACCTCAGTGGA
 TCTGTTGTGATATCCGCTACCTGGACGTCAATCTTGGGCAAGTTTGCAGTTGTGATGGCTGACCCACC
 CTGGGATATTACATGGAAGTGCCTATGGGACCCTGACAGATGATGAGATGCGCAGGCTCAACATACCC
 GTACTACAGGATGATGGCTTTCTCTCTCTGGGTACAGGCAGGGCCATGGAGTTGGGAGAGAATGTC
 TAAATCTCTGGGGTATGAACGGGTAGATGAAATTATTTGGGTGAAGACAAATCAACTGCAACGCATCAT
 TCGGACAGGCCGTACAGGTCACTGGTTGAACCATGGGAAGGAACACTGCTTGGTTGGTGTCAAAGGAAAT
 CCCCAGGCTTCAACAGGGTCTGGATTGTGATGTGATCGTAGCTGAGGTTGTTCCACCACTCATAAAC
 CAGATGAAATCTATGGCATGATTGAAAGACTATCTCTGGCACTCGCAAGATTGAGTTATTTGGACGACC
 ACACAATGTGCAACCAACTGGATCACCTTGGAAACCAACTGGATGGGATCCACCTACTAGACCCAGAT
 GTGGTGCACGGTTCAAGCAAAGGTACCCAGATGGTATCATCTCTAAACCTAAGAATTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSDTWSSIQAHHKQLDSLRLRRKQDSGHLDLRNPEAALSPTRSDSPVPTAPTSGGPKPSTASAVP
 ELATDPELEKKLLHHLSDLALTLPTDAVSICLAISTPDAPATQDGVESLLQKFAAQELIEVKRGLQDDA
 HPTLVTYADHSLSAMMGAVAEKKGPGEVAGTVTGQKRRAEQDSTTVAAFASSLVSLNSSASEPAKEPA
 KKSRLHAASDVLEIESLLNQSTKEQQSKKVSQEIPELLNTTAAKEQSIVEKFRSRGRAQVQEFCDYGT
 KEECMKASDADRPCRKLHFRRIINKHTDESLGDCSFLNTCFHMDTCKYVHYEIDACMDSEAPGSKDHTPS
 QELALTSVGGDSSADRLFPQWICCDIRYLDVSLGKFAVVMADPPWDIHMELPYGTLTDDMRRLNIP
 VLQDDGFLFLWVTGRAMELGRECLNLWGYERVDEIIWVKTNLQRIIRTGRTGHWLNHGKEHCLVGKGN
 PQGFNQGLDCDVIVAEVRSTSHKPDEIYGMIERLSPGTRKIELFGRPHNVQPNWITLGNQLDGIHLLDPD
 VVARFKQRYPDGIISKPKNL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_019852
ORF Size:	1740 bp
Buffer:	PBS with 0.001% Pluronic F5120
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_019852.3</u> , <u>NP_062826.2</u>
RefSeq Size:	1975 bp
RefSeq ORF:	1743 bp
Locus ID:	56339
UniProt ID:	<u>Q86U44</u>
Cytogenetics:	14q11.2
MW:	64.3 kDa