

Product datasheet for **RC222172A1V**

Human ISM1 (NM_080826) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ISM1 (NM_080826) AAV Particle
Tag:	Myc-DDK
Symbol:	ISM1
Synonyms:	bA149I18.1; C20orf82; dj1077I2.1; ISM; Isthmin
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222172 representing NM_080826
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGCGCTGGCGCCGAGCTGCTGTGCTGCTGTTGGGCTGCTGCTGCTCACGTCGCACATCACCGTGC
 TGGCGGCTCGGGAGCCGCCGACGGGCCGACGCGGCCGCGGGCAACGCCAGCCAAGCCAGCTGCAGAA
 TAACCTCAACGTGGGAAGTGACACCACATCAGAAACCAGCTTTTCTCTCCTCAAAGAAGCACAAGGGAG
 CATCTGGACCACCAGGCTGCACACCAACCCCTCCCGAGCCGCGATTCCGACAAGAGACGGGGCACCCCTT
 CATTGCAAAGAGATTTCCCGAGATCCTTTCTCCTTGATCTACCAAACCTTCCAGATCTTTCAAAGCTGA
 TATCAATGGGCAGAATCCAAATATCCAGGTACCATAGAGGTGGTCGACGGTCTGACTCTGAAGCAGAT
 AAAGATCAGCATCCGGAGAATAAGCCCAGCTGGTCAGTCCCATCCCCGACTGGCGGGCCTGGTGCAGAG
 GGTCCCTGTCTTGGCCAGGGCAACAGCGGGGACCAGGACTACAAGTACGACAGTACCTCAGACGACAG
 CAACTTCTCAACCCCCAGGGGTGGGACCATACAGCCCCAGGCCACCGGACTTTTGAACCAAGAT
 CAGCCAGAATATGATTCCACAGATGGCGAGGGTACTGGAGTCTCTGGTCTGTCTGCAGGGTACCTGCG
 GGAACGGCAACAGAAACGACCCGGTCTTGTGGCTACGCGTGCAGTGCACAGAAATCGAGGACCTGTGA
 CCGTCCAAACTGCCAGGAATTGAAGACACTTTTAGGACAGCTGCCACCGAAGTGAAGTCTGCTTGGCGGA
 AGCGAGGAGTTTAAAGCAACAACTGTTTGAAGTTGACACAGACAGCTGTGAGCGCTGGATGAGCTGCA
 AAAGCGAGTTCTTAAAGAAGTACATGCACAAGGTGATGAATGACCTGCCAGCTGCCCTGTCTCTACCC
 CACTGAGGTGGCTACAGCACGGCCGACATCTTCGACCGCATCAAGCGCAAGGACTTCCGCTGGAAGGAC
 GCCAGCGGGCCCAAGGAGAAGCTGGAGATCTACAAGCCACTGCCCGTACTGCATCCGCTCCATGCTGT
 CCCTGGAGAGCACCCAGCTGGCGGCACAGCAGTCTGCTACGGCGACAACATGCAGCTCATCACCAGGGG
 CAAGGGGCGGGCACGCCAACCTCATCAGCACCGAGTTCTCCGCGGAGCTCCACTACAAGGTGGACGTC
 CTGCCCTGGATTATCTGCAAGGGTACTGGAGCAGGTATAACGAGGCCGGCCTCCCAACAACGGACAGA
 AGTGCACAGAGGCCCTCGACGAGGACTACATCAAGCAGTTCCAAGAGGCCAGGGAATAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222172 representing NM_080826
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MVRLAAELLLLLLGLLLLTLHITVLRGSGAADGPDAAAGNASQAQLQNNLNVGSDTTSETSFSLSKAPE
 HLDHQAHHQPPRFRFRQETGHPSLQRDFPRSFLLDLPNFPDLKADINGQNPNIQVTIEVVDGPDSEAD
 KDQHPENKPSWSVSPDWRAWWRSLSLARANSQDQDYKDYDSTSDSNFLNPPRGWDHTAPGHRTFETKD
 QPEYDSTDGEGDWSLWSVCSVTCGNGNQKRTRSCGYACTATESRTCDRPNCPGIEDTFRTAATEVSLLAG
 SEEFNATKLEFVDTDSCERWMSCKSEFLKMYMHKVMNDLPSCPCSYPTEVAYSTADIFDRIRKDFRWKD
 ASGPKEKLEIYKPTARYCIRSMLSLESTTLAAQHCCYGDNMQLITRGKAGTPNLISTEFSAEHYKVDV
 LPWIICKGDWSRYNEARPPNNGQKCTESPSDEDIYKQFQEAERY

SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_080826

ORF Size:

1392 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_080826.1</u>
RefSeq Size:	2610 bp
RefSeq ORF:	1395 bp
Locus ID:	140862
UniProt ID:	<u>B1AKI9</u>
Cytogenetics:	20p12.1
MW:	51.9 kDa