

Product datasheet for **RC224697A1V**

Human Mucolipin 3 (MCOLN3) (NM_018298) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Mucolipin 3 (MCOLN3) (NM_018298) AAV Particle
Tag:	Myc-DDK
Symbol:	Mucolipin 3
Synonyms:	TRP-ML3; TRPML3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224697 representing NM_018298
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGATCCTGAGGTAGTTGTGAGTAGCTGCAGCTCTCATGAAGAGGAAAATCGCTGCAATTTTAACC
 AGCAAACATCTCCATCTGAGGAGCTTCTATTAGAAGACCAGATGAGGCGAAAACCTCAAAATTTTTTTCAT
 GAATCCCTGTGAGAAGTTCTGGGCTCGAGGTAGAAAACCATGGAACCTTGCCATACAAATTTCTAAAAAT
 GCAATGGTGACTATCCAGCTGGTCTTATTTGGGCTAAGTAACCAGATGGTGGTAGCTTTCAAGGAAGAGA
 ATACTATAGCATTCAAACACCTTTCTAAAAGGATATATGGACCGAATGGATGACACATATGCAGTGTA
 CACACAAAGTGACGTGTATGATCAGTTAATCTTCGAGTAAACAGTACTTGACGCTATACAATGTCTCC
 GTTGGGAATCATGCTTATGAGAACAAAGGTACCAAGCAATCTGCTATGGCAATCTGTGACGACTTCTACA
 AGCGAGGAAACATCTACCCTGGAATGATACCTTTGACATCGATCCAGAAATGAAACTGAGTGTCTCTT
 TGTGGAGCCAGATGAACCTTTTACATTGGGACACCAGCAGAAAATAAACTGAACTTAACACTGGACTTC
 CACAGACTCCTAACAGTGGAGCTTCAGTTTAACTGAAAGCCATTAACTGTCAGACAGTTCGTATCAAG
 AACTCCCTGACTGTTATGACTTTACTCTGACTATAACATTTGACAACAAGGCCCATAGTGAAGAATTAA
 AATAAGTTTAGATAATGACATTTCCATCAGAGAATGTAAGACTGGCATGTATCTGGATCAATTCAGAAG
 AACACTCATTACATGATGATCTTTGATGCCTTTGTCTGACTTGTCTGGTTTCATTAATCCTCTGCA
 TTAGATCTGTGATTAGAGGACTTCAGCTTCAGCAGGAGTTTGTCAATTTTTCTCTCCATTATAAGAA
 GGAAGTTTCTGTTCTGATCAATGGAATTTGTCAATGGATGGTACATTATGATTATTATTAGTGACATA
 TTGACAATCATTGGATCAATTTCTAAAAATGGAATCCAAGCTAAGAGTCTAACTAGTTATGATGTCTGTA
 GCATACTTCTTGGGACTTCTACCATGCTTGTGTGGCTTGAGTGCATCCGATACCTCGGTTTCTTTGCAAA
 GTACAACCTCCTCATTTTGACCTTCAGGCAGCGCTGCCAATGTCATCAGTTTCTGCTGCTGTGACGT
 ATGATTTACTTAGGTTACTGCTTCTGTGGATGGATCGTCTGGGCTTACCATGACAAGTTTCTGTCTC
 TGAACATGGTCTCTGAGTGCCTTTTCTCTGATAAATGGAGATGATATGTTTGGCAGTTTGAACAAAT
 GCAGCAAAAAAGTTACTTAGTCTGGCTGTTTAGTAGAATTTACCTCTACTCATTATCATCAGCCTCTTTATA
 TATATGATTTTAAAGTCTTTTCTTGCAGTATGATGATACATACGAAACAATTAAGCAATACCAACAAG
 ATGGCTTCCCAGAGACTGAACCTCGTACATTTATATCAGAATGCAAGATCTACCAACTCTGGAAAATA
 CAGATTAGAAGATGACCCTCCAGTATCTTTATTCTGCTGTTGTAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224697 representing NM_018298
 Red=Cloning site Green=Tags(s)

MADPEVVVSSCSSHEENRCNFNQQTSPSEELLLEDQMRRKLKFFFMNPCEKFWARGRPWKLAIQILKI
 AMVTIQLVLFGLSNQMVVAFKEENTIAFKHLFLKGYMDRMDDTYAVYTQSDVYDQLIFAVNQYLQLYNVS
 VGNHAYENKGTQKSAMAIQHFYKRGNIYPGNDTFDIDPEIETECFFVEPDEPFHIGTPAENKLNLTDF
 HRLLTVELQFKLKAINLQTVRHQELPDCYDFTLTITFDNKAHSGRIKISLDNDISIRECKDWHVSGSIQK
 NTHYMMIFDAFVILTCLVSLILCIRSVIRGLQLQQEFVNFFLLHYKKEVSVDQMEFVNGWYIMIIISDI
 LTIIGSILKMEIQAKSLTSYDVCSILLGTSTMLVWLGVIYRGLFFAKYNLLILTLQAALPNVIRFCCCAA
 MIYLGVCFCGWIVLGPYHDKFRSLNMVSECLFSLINGDDMFATFAKMQQKSYLVWLFRIYLYSFI SLFI
 YMILSLFIALITDITYETIKYQQDGFPETELRTFISECKDLPSNGKYRLEDDPPVSLFCCCKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_018298

ORF Size:	1659 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_018298.9, NP_060768.8</u>
RefSeq Size:	2813 bp
RefSeq ORF:	1662 bp
Locus ID:	55283
UniProt ID:	<u>Q8TDD5</u>
Cytogenetics:	1p22.3
MW:	64.1 kDa