

Product datasheet for **RC227255A1V**

Human IMPDH1 (NM_001142575) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human IMPDH1 (NM_001142575) AAV Particle
Tag:	Myc-DDK
Symbol:	IMPDH1
Synonyms:	IMPD; IMPD1; IMPDH-I; LCA11; RP10; sWSS2608
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC227255 representing NM_001142575
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGGACTACCTGATCAGCGCGGCACCGGCTACGTGCCCCGAGGATGGGCTACCGCGCAGCAGCTCT
 TCGCCAGCGCCGACGGCCTCACCTACAACGACTTCCTGATTCTCCAGGATTCATAGACTTCATAGCTGA
 TGAGGTGGACCTGACCTCAGCCCTGACCCGGAAGATCACGCTGAAGACGCCACTGATCTCTCCCCCATG
 GACACTGTGACAGAGGCTGACATGGCCATTGCCATGGCTAAGTTTGAACAGGGCTTCATCACGGACCCTG
 TGGTGCTGAGCCCTCGCACACTGTGGCGATGTGCTGGAGGCCAAGATGCGGCATGGCTTCTCTGGCAT
 CCCCATCACTGAGACGGGCACCATGGGCAGCAAGCTGGTGGGCATCGTCACCTCCCGAGACATCGACTTT
 CTTGCTGAGAAGGACCACACCCTCCTCAGTGAGGTGATGACGCCAAGGATTGAAGTGGTGGTGGCTC
 CAGCAGGTGTGACGTTGAAAGAGGCAAATGAGATCCTGCAGCGTAGCAAGAAAGGGAAGCTGCCTATCGT
 CAATGATTGCGATGAGCTGGTGGCCATCATCGCCGACCGACCTGAAGAAGAACCGAGACTACCCTCTG
 GCCTCCAAGGATTCAGGAAGCAGCTGCTCTGTGGGGCAGCTGTGGGCACCCGTGAGGATGACAAATACC
 GTCTGGACCTGCTCACCAGGCGGGCGTCGACGTCATAGTCTTGACTCGTCCCAAGGGAATTCGGTGTA
 TCAGATCGCCATGGTGCATTACATCAAACAGAAGTACCCACCTCCAGGTGATTGGGGGAACGTGGTG
 ACAGCAGCCCAGGCCAAGAACCTGATTGATGCTGGTGTGGACGGGCTGCGCGTGGGCATGGGCTGCGGCT
 CCATCTGCATCACCCAGGAAGTATGGCTGTGGTGGGCCAGGGCACTGCTGTGTACAAGGTGGCTGA
 GTATGCCCGGCGCTTTGGTGTGCCATCATAGCCGATGGCGGCATCCAGACCGTGGGACACGTGGTCAAG
 GCCCTGGCCCTTGGAGCCTCCACAGTGATGATGGGCTCCCTGCTGGCCGCCACTACGGAGGCCCTGGCG
 AGTACTTCTTCTCAGACGGGGTGCAGCTCAAGAAGTACCGGGCATGGGCTCACTGGATGCCATGGAGAA
 GAGCAGCAGCAGCCAGAAACGATACTTCAGCGAGGGGGATAAAGTGAAGATCGCGCAGGGTGTCTCGGGC
 TCCATCCAGGACAAAGGATCCATTGAGAGTTCGTGCCCTACCTCATAGCAGGCATCCAACACGGCTGCC
 AGGATATCGGGGCCCGCAGCCTGTCTGTCTCGTCCATGATGTAAGTCAAGAGAGCTCAAGTTTGAGAA
 GCGGACCATGTGGGCCAGATTGAGGTGGTGTCCATGGCCTGCACTCTACGAAAAGCGGCTGTAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227255 representing NM_001142575
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MADYLISSGGTYVPEDGLTAQQLFASADGLTYNDFLILPGFIDFIADVDLTSLTRKITLKTPLISSPM
 DTVTEADMAIAMAKFEQGFITDPVVLSPSHTVGDVLEAKMRHGFSGIPITETGTMGSKLVGIVTSRDIDF
 LAEKDHTLLSEVMPRIELVVAPAGVTLKEANEILQRSKKGKLPVNDCELVAIARTDLKKNRDYPL
 ASKDSQKQLLCGAAGVTREDDKYRLDLLTQAGVDVIVLDSSQGSVYQIAMVHYIKQKYPHLQVIGGNV
 TAAQAKNLIDAGVDGLRVGMGGSICITQEVMACGRPQGTAVYKVAEYARRFGVPPIADGGIQTGVHVK
 ALALGASTVMMGSLLAATTEAPGEYFFSDGVRLKKYRGMGSLDAMEKSSSSQKRYFSEGDKVKIAQGVSG
 SIQDKGSIQKFPYLIAGIQHGQDIGARSLSVLRSMYSSELKFEKRTMSAQIEGGVHGLHSYEKRLY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001142575

ORF Size:

1467 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_001142575.1</u>
RefSeq ORF:	1470 bp
Locus ID:	3614
UniProt ID:	<u>P20839</u>
Cytogenetics:	7q32.1
MW:	52.4 kDa