

Product datasheet for **RC207118A1V**

Human IMPDH1 (NM_183243) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human IMPDH1 (NM_183243) 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:

>RC207118 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGGGCCACTCACTCCACCACCGCTGCAGGGAGGCGGAGCCGCCGCTGTTCCGGAGCCCGAGCCC
 GGCAACACCCGGGACACGAGACGGCGGCAGCGGTACAGCGCCGACTGCTGCAGGCCGGCTACGAGCC
 CGAGAGCATGGCGGACTACCTGATCAGCGGCGGCACCGCTACGTGCCGAGGATGGGCTCACCGCGCAG
 CAGCTCTTCGCCAGCGCCGACGGCTCACCTACAACGACTTCCTGATTCTCCAGGATTCATAGACTTCA
 TAGCTGATGAGGTGGACCTGACCTCAGCCCTGACCCGGAAGATCACGCTGAAGACGCCACTGATCTCCTC
 CCCCATGGACACTGTGACAGAGGCTGACATGGCCATTGCCATGGCTCTGATGGGAGGTATTGGTTTCATT
 CACCACAAGTGCACCCAGAGTTCAGGCCAACGAGGTGCGGAAGGTCAAGAAGTTTGAACAGGGCTTCA
 TCACGGACCCTGTGGTGTGAGCCCTCGCACACTGTGGGCGATGTGCTGGAGGCCAAGATGCGGCATGG
 CTTCTCTGGCATCCCCATCACTGAGACGGGCACCATGGGCAGCAAGCTGGTGGGCATCGTCACCTCCCGA
 GACATCGACTTTCTTGCTGAGAAGGACCACACCACCTCCTCAGTGAGGTGATGACGCCAAGGATTGAAC
 TGGTGGTGGCTCCAGCAGGTGTGACGTTGAAAGAGGCAAATGAGATCCTGCAGCGTAGCAAGAAAGGGAA
 GCTGCCTATCGTCAATGATTGCGATGAGCTGGTGGCCATCATCGCCCGCACCAGCTGAAGAAGAACCGA
 GACTACCTCTGGCCTCCAAGGATTCAGAGAGCAGCTCCTCTGTGGGGCAGCTGTGGGCACCCGTGAGG
 ATGACAAATACCGTCTGGACCTGCTCAGCCAGGCGGGCGTCGACGTCATAGTCTTGACTCGTCCCAAGG
 GAATTCGGTGTATCAGATCGCCATGGTGCAATTACATCAAACAGAAGTACCCACCTCCAGGTGATTGGG
 GGAACGTGGTGACAGCAGCCAGGCCAAGAACCTGATTGATGCTGGTGTGGACGGGCTGCGCGTGGGCA
 TGGGCTGCGGCTCCATCTGCATCAGCCAGGAAGTGATGGCCTGTGGTGGCCCCAGGGCACTGCTGTGTA
 CAAGGTGGCTGAGTATGCCCGGCGCTTTGGTGTGCCCATCATAGCCGATGGCGGCATCCAGACCGTGGA
 CACGTGGTCAAGGCCCTGGCCCTTGAGCCTCCACAGTGATGATGGGCTCCCTGCTGGCCGCCACTACGG
 AGGCCCTGGCGAGTACTTCTTCTCAGACGGGGTGGCGCTCAAGAAGTACCGGGGCATGGGCTCACTGGA
 TGCCATGGAGAAGAGCAGCAGCAGCCAGAAACGATACTTCAGCGAGGGGGATAAAGTGAAGATCGCGCAG
 GGTGTCTCGGGCTCCATCCAGGACAAAGGATCCATTGAGAAGTTCGTGCCCTACCTCATAGCAGGCATCC
 AACACGGCTGCCAGGATATCGGGGCCCGCAGCCTGTCTGCTCCTCGGTCCATGATGACTCAGGAGAGCT
 CAAGTTTGAGAAGCGGACCATGTGGGCCAGATTGAGGGTGGTGTCCATGGCCTGCACTTTACGAAAAG
 CGGCTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207118 protein sequence
 Red=Cloning site Green=Tags(s)

MEGPLTPPPLQGGGAAVPEPGARQHPGHETAAQRY SARLLQAGYEPESMADYLISGGTGYVPEDGLTAQ
 QLFASADGLTYNDFLILPGFIDFIADEVDLTSALTRKITLKTPLISSPMDTVTEADMAIAMALMGIGFI
 HHNCTPEFQANEVRKVKKFEQGFITDPVVLSPSHTVGDVLEAKMRHFGSGIPITETGTMGSKLVGIVTSR
 DIDFLAEKDHTLLSEVMTPRIELVVAPAGVTLKEANEILQRSKKGKLPVNDCELVAIARTDLKKNR
 DYPLASKDSQKQLL CGAAVGTRDDKYRLDLLTQAGVDVIVLDSSQGNVYQIAMVHYIKQKYPHLQVIG
 GNVVTAQAQKNLIDAGVDGLRVGMGCGSICITQEVMACGRPQGTAVYKVAEYARRFGVPIIADGGIQTVG
 HVVKALALGASTVMMGSLLAATTEAPGEYFFSDGVRLKKYRGMGSLDAMEKSSSSQKRYFSEGDKVKIAQ
 GVSQSIQDKGSIQKFVPLYIAGIQHGCQDIGARSLSVLRSMMSYSGELKFEKRTMSAQIEGGVHGLHSYEK
 RLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_183243
ORF Size:	1689 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_183243.1</u>
RefSeq Size:	2517 bp
RefSeq ORF:	1692 bp
Locus ID:	3614
UniProt ID:	<u>P20839</u>
Cytogenetics:	7q32.1
MW:	60.4 kDa