

Product datasheet for **RC215206A1V**

Human IMPDH1 (NM_000883) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human IMPDH1 (NM_000883) 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:

>RC215206 representing NM_000883
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGGGGCCACTCACTCCACCACCGCTGCAGGGAGGCGGAGCCGCGCTGTTCCGGAGCCCGAGCCC
 GGCAACACCCGGGACACGAGACGGCGCGCAGCGGTACAGCGCCGACTGCTGCAGGCCGGCTACGAGCC
 CGAGAGCCCTAGATTGGACCTCGCTACACACCCGACGACACCCGTTCAGAACTATCTTCAGTGGTCTTA
 CTGGCAGGTGTTGGTGTCCAGATGGATCGCTTCGAGGGCTAGCATGGCGGACTACCTGATCAGCGGCG
 GCACCGGCTACGTGCCGAGGATGGGCTCACCGCGCAGCAGCTCTCGCCAGCGCCGACGGCCTCACCTA
 CAACGACTTCCTGATTCTCCAGGATTCATAGACTTCATAGCTGATGAGGTGGACCTGACCTCAGCCCTG
 ACCCGGAAGATCAGCTGAAGACGCCACTGATCTCTCCCCATGGACACTGTGACAGAGGCTGACATGG
 CCATTGCCATGGCTCTGATGGGAGGTATTGGTTTCATTACCACAACGCACCCAGAGTTCAGGCCAA
 CGAGGTGCGGAAGGTCAAGAAGTTTGAACAGGGCTTCATCAGGACCCTGTGGTCTGAGCCCTCGCAC
 ACTGTGGGCGATGTGCTGGAGGCCAAGATGCGGCATGGCTTCTCTGGCATCCCCATCACTGAGACGGGCA
 CCATGGGCAGCAAGCTGGTGGGCATCGTCACCTCCCGAGACATCGACTTCTTGCTGAGAAGGACCACAC
 CACCCTCCTCAGTGAGGTGATGACGCCAAGGATTGAAGTGGTGGTGGCTCCAGCAGGTGTGACGTTGAAA
 GAGGCAAATGAGATCCTGCAGCGTAGCAAGAAAGGGAAGCTGCCTATCGTCAATGATTGCGATGAGCTGG
 TGGCCATCATCGCCGACCGACCTGAAGAAGAACCGAGACTACCCTCTGGCCTCCAAGGATTCCAGAA
 GCAGCTGCTCTGTGGGCGAGCTGTGGGCACCGTGAGGATGACAAATACCGTCTGGACCTGCTCACCAG
 GCGGGCGTCGACGTATAGTCTTGACTCGTCCCAAGGGAATTCGGTGTATCAGATCGCCATGGTGCAAT
 ACATCAAACAGAAGTACCCACCTCCAGGTGATTGGGGGAACGTGGTGACAGCAGCCAGGCCAAGAA
 CCTGATTGATGCTGGTGTGGACGGGCTGCGCGTGGGCATGGGCTGCGGCTCCATCTGCATCACCAGGAA
 GTGATGGCCTGTGGTGGGCCCGAGGCACTGCTGTGTACAAGGTGGCTGAGTATGCCCGCGCTTTGGTG
 TGCCCATCATAGCCGATGGCGGCATCCAGACCGTGGGACAGTGGTCAAGGCCCTGGCCCTTGAGCCTC
 CACAGTGATGATGGGCTCCCTGCTGGCCGCCACTACGGAGGCCCTGGCGAGTACTTCTCTCAGACGGG
 GTGCGGCTCAAGAAGTACCGGGGCATGGGCTCACTGGATGCCATGGAGAAGAGCAGCAGCAGCCAGAAAC
 GATACTTCAGCGAGGGGGATAAAGTGAAGATCGRCAGGGTGTCTCGGGCTCCATCCAGGACAAAGGATC
 CATTGAGAAGTTCGTGCCCTACCTCATAGCAGGCATCCAACACGGCTGCCAGGATATCGGGCCCCGAGC
 CTGTCTGTCTCGGTCCATGATGTAATCAGGAGAGCTCAAGTTTGAGAAGCGGACCATGTCGGCCCGA
 TTGAGGGTGGTCCATGGCCTGCACTTTACGAAAAGCGGCTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MEGPLTPPPLQGGGAAAVPEPGARQHPGHETAAQRY SARLLQAGYEPESPRLDLATHPTTPRSELSSVVL
 LAGVGVQMDRLRRASMADYLISGGTGYVPEDGLTAQQLFASADGLTYNDFLILPGFIDFIADVDLTSAL
 TRKITLKTPLISSPMDTVTEADMAIAMALMGIGFIHNNCTPEFQANEVRKVKKFEQGFITDPVVLSPSH
 TVGDVLEAKMRHGFSGIPITETGTMGSKLVGIVTSRDIDFLAEKDHTLLSEVMTPRIELVVAPAGVTLK
 EANEILQRSKGKLPVNDCCDELVAIIARTDLKKNRDYPLASKDSQKQLLCGAAGVTREDDKYRLDLLTQ
 AGVDVIVLDSSQGNVYQIAMVHYIKQKYPHLQVIGNVVTAQAQNLIDAGVDGLRVGMGCGSICITQE
 VMACGRPQGTAVYKVAEYARRFGVPIIADGGIQTGVHVKALALGASTVMMGSLLAATTEAPGEYFFSDG
 VRLKKYRGMGSLDAMEKSSSSQKRYFSEGDKVKIAQGVSGSIQDKGSIQKFPYLIAGIQHGCQDIGARS
 LSVLRSMYSSELKFEKRTMSAQIEGGVHGLHSYEKRLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
 *

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000883
ORF Size:	1797 bp
Buffer:	PBS with 0.001% Pluronic F7337
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_000883.2</u>
RefSeq Size:	2880 bp
RefSeq ORF:	1800 bp
Locus ID:	3614
UniProt ID:	<u>P20839</u>
Cytogenetics:	7q32.1
MW:	64.1 kDa