

Product datasheet for **RC238088A1V**

Human Isocitrate dehydrogenase (IDH1) (NM_001282386) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Isocitrate dehydrogenase (IDH1) (NM_001282386) AAV Particle
Tag:	Myc-DDK
Symbol:	Isocitrate dehydrogenase
Synonyms:	HEL-216; HEL-S-26; IDCD; IDH; IDP; IDPC; PICD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC238088 representing NM_001282386 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGTCCAAAAAATCAGTGGCGTTCTGTGGTAGAGATGCAAGGAGATGAAATGACACGAATCATTTGGG
AATTGATTAAGAGAACTCATTTTTCCCTACGTGGAATTGGATCTACATAGCTATGATTTAGGCATAGA
GAATCGTGATGCCACCAACGACCAAGTCACCAAGGATGCTGCAGAAGCTATAAAGAAGCATAATGTTGGC
GTCAAATGTGCCACTATCACTCCTGATGAGAAGGGTTGAGGAGTTCAGTTGAAACAAATGTGGAAAT
CACCAAATGGCACCATACGAAATATTCTGGGTGGCAGGCTCTTCAGAGAAGCCATTATCTGCAAAAAAT
CCCCCGCTTGTGAGTGGATGGGTAAAACCTATCATCATAGGTCGTCATGCTTATGGGGTCAATACAGA
GCAACTGATTTTGTGTTCTGGCCTGAAAAGTAGAGATAACCTACACACCAAGTGACGGAACCCAAA
AGGTGACATACCTGGTACATAACTTTGAAGAAGTGGTGGTGTGCCATGGGGATGTATAATCAAGATA
GTCAATTGAAGATTTGCACACAGTTCTTCCAATGGCTCTGTCTAAGGTTGGCCTTTGTATCTGAGC
ACCAAAAACACTATTCTGAAGAAATATGATGGCGTTTTAAAGACATCTTCAGGAGATATGACAAGC
AGTACAAGTCCCAGTTTGAAGCTCAAAGATCTGGTATGAGCATAGGCTCATCGACGACATGGTGGCCCA
AGCTATGAAATCAGAGGGAGGCTTCATCTGGCCTGTA AAAACTATGATGGTGACGTGCAGTCGGACTCT
GTGGCCCAAGGGTATGGCTCTCTCGGCATGATACCAGCGTGCTGGTTTTGTCCAGATGGCAAGACAGTAG
AAGCAGAGGCTGCCACGGGACTGTAACCCGCTACTACCGCATGTACCAGAAAGGACAGGAGACGTCAC
CAATCCCATTGCTTCCATTTTTGCCTGGACCAGAGGGTTAGCCACAGAGCAAAGCTTGATAACAATAAA
GAGCTTGCCCTTTTGCAAAATGCTTTGGAAGAAGTCTCTATTGAGACAATTGAGGCTGGCTTCATGACCA
AGGACTTGGCTGCTTGCAATAAAGGTTTACCCAATGTGCAACGTTCTGACTACTTGAATACATTTGAGTT
CATGGATAAACTTGAGAAAACCTGAAGATCAAACCTAGCTCAGGCCAACTT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	<p>>RC238088 representing NM_001282386 Red=Cloning site Green=Tags(s)</p> <p>MSKKISGGSVVEMQGDDEMTRIIWELIKEKLIFPYVELDLHSYDLGIENRDATNDQVTKDAAEAIKKHNVG VKCATITPDEKRVEEFKQMKWSPNGTIRNILLGGTVFREAIICKNIPRLVSGWVKPIIIGRHAYGDQYR ATDFVVPGPGKVEITYTPSDGTQKVTYLVHNFEEGGVAMGMYNQDKSIEDFAHSSFQMALSKGWPLYLS TKNTILKKYDGRFKDIFQEIYDKQYKSQFEAQKIWYEHRLIDDMVAQAMKSEGGFIWACKNYDGDVQSDS VAQGYGSLGMMTSVLVCPDGKTVEAAAHGTVTRHYRMYQKGQETSTNPIASIFAWTRGLAHRKLDNNK ELAFFANALEEVSIIETIEAGFMTKDLAACIKGLPNVQRSDYLNTEFMDKLGLENLKIKLAQAKL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001282386
ORF Size:	1242 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_001282386.1</u> , <u>NP_001269315.1</u>
RefSeq Size:	2313 bp
RefSeq ORF:	1245 bp
Locus ID:	3417
UniProt ID:	<u>O75874</u>
Cytogenetics:	2q34
MW:	46.7 kDa