

Product datasheet for **RC209890A1V**

Human H6PD (NM_004285) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human H6PD (NM_004285) AAV Particle
Tag:	Myc-DDK
Symbol:	H6PD
Synonyms:	CORTRD1; G6PDH; GDH; H6PDH
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide
Sequence:

>RC209890 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGAATATGCTCATAGTGGCGATGTGCTTGGCCCTTCTGGGCTGCCTGCAAGCCCAGGAGCTCCAGG
GACATGTCTCCATAATCCTGCTGGGAGCAACTGGGGACCTGGCTAAGAAGTACTTATGGCAGGGACTGTT
CCAGCTGTACCTGGATGAAGCGGGGAGGGGTACAGTTTTAGCTTCCATGGAGCTGCTCTGACAGCCCCC
AAGCAGGGTCAAGAGCTCATGGCCAAGGCCCTGGAATCCCTCTCCTGCCCCAAGGACATGGCACCCAGTC
ACTGTGCAGAGCACAAGGATCAGTTCTGCAGCTGAGCCAGTACCGCCAAGTGAAGACGGCCGAGGACTA
TCAGGCCCTGAACAAGGACATCGAGGCACAGCTCCAGCACGACGGCTCCGGGAGGCTGGCAGGATCTTC
TACTTCTCAGTGCCACCCTTCGCTATGAAGACATTGCCCGCAACATCAACAGTAGCTGCCGGCCAGGCC
CGGGCGCTGGCTGCGGGTTGCTTGGAGAAACCTTTGGCCATGACCACTTCTCAGCCCAGCAGCTGGC
CACAGAACTCGGGACCTTTTCCAGGAGGAGGAGATGTACCGGTGGACCATTACTTAGCAAGCAGGCT
GTGGCAGAGATCCTGCCTTCCGAGACCAGAACCGCAAGGCTTTGGACGGCTCTGGAACCGGCACCATG
TGGAGCGGGTGGAGATCATCATGAAAGAGACCGTGGATGCCGAAGGCCGACCAGCTTCTATGAGGAGTA
CGGTGTATTTCGCGACGTCCTCCAGAACCATCTGACGGAGGTCCTCACCTCTGTGGCCATGGAGTGCCC
CACAATGTGACAGTGCAGGAGGCTGTGCTGCGGCACAAGCTTCAGGTCTTCCAGGCGCTGCGGGGCTGC
AGAGGGGACAGTGCCGTCGTGGGCCAGTACCACTTACAGTGAGCAGGTGCGCAGAGAGCTGCAGAAGCC
AGACAGCTTCCACAGCCTGACGCCGACCTTCGAGCCGTCCTAGTGACATTGACAACCTTCGCTGGGAG
GGCGTGCTTTTATCTGATGTCTGGCAAAGCCTTGGACGAGAGAGTGGGCTACGCTCGGATCTTGTTCA
AGAACCAGGCCGTGCTGTGTGCAGAGCGAAAAGCACTGGGCCGCGGCGCAGAGCCAGTGCCTGCCCGGCA
GCTCGTCTTCCACATCGGCCATGGCGACCTGGGCAGCCCTGCCGTGCTGGTCAGCAGGAACCTGTTTCAGG
CCCTCCCTGCCCTCCAGCTGGAAGGAAATGGAGGGACCACTGGGCTCCGCTTTTTCGGCAGCCCTCTGT
CCGATTACTACGCTACAGCCCTGTGCAGGAGCGGGACGCCCACTCCGTCCTTATCCCATATCTTCCA
TGGCCGGAAGAATTTCTTCATCACCACAGAGAATTTGCTGGCCTCCTGGAATCTTGGACCCCTCTGCTG
GAGAGCCTGGCCATAAGGCCCCACGCCTCTACCCTGGAGGAGCTGAGAATGGCCGTCTGTTGGACTTTG
AGTTCACTAGCGGCCGTTGTTCTTTTCCAGCAGCAGCCGAGCAGCTGGTGCCAGGGCCAGGGCCGGC
CCCAATGCCAGTGACTTCCAGGTCTCAGGGCCAAGTACCGAGAGAGCCGCTGGTCTCCGCTGGTCC
GAGGAGCTGATCTTAAGCTGGCTAATGACATCGAGGCCACCGCTGTGCGAGCCGTGCGGCGCTTTGGCC
AGTTCCACCTGGCACTGTGCGGGGGCTCGAGCCCCGTGGCCCTGTTCAGCAGCTGGCCACGGCGCACTA
TGGCTTCCCCTGGGCCACACGCACCTGTGGCTGGTTGACGAGCGCTGCGTCCCCTCTCAGACCCGGAG
TCCAATTTCCAGGGCTGCAGGCCACCTGCTGCAGCAGTCCGGATCCCCTACTACAACATCCACCCCA
TGCTGTGCACCTGCAGCAGCGCTCTGCGCCGAGGAGGACAGGGCGCCAGATCTATGCCAGGGAGAT
CTCAGCCCTGGTGGCCAAACAGCAGCTTCGACCTGGTGTGCTGGGCATGGGTGCCGACGGGCACACAGCC
TCCCTCTTCCACAGTCAACCACTGGCCTGGATGGCGAGCAGCTGGTGTGCTGACCACGAGCCCTCCC
AGCCACACCGCCGATGAGCCTTAGCCTGCCTCTCATCAACCGGCCAAGAAGGTGGCAGTCTGGTCAT
GGGCAGGATGAAGCGTGAGATCACACGCTGGTGAGCCGGTGGGCCATGAGCCAAGAAGTGCCCATC
TCGGGTGTCCTGCCCACTCCGGCCAGCTGGTGTGGTACATGGACTACGACGCTTCTCTGGGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC209890 protein sequence Red=Cloning site Green=Tags(s) MWNMLIVAMCLALLGCLQAQELQGHVSIILLGATGDLAKKYLWQGLFQLYLDEAGRGHSFSFHGAALTAP KQGQELMAKALESLSCPKDMAPSHCAEHKDQFLQLSQYRQLKTAEDYQALNKDIEAQLQHAGLREAGRIF YFSVPPFAYEDIARNINSSCRPGPGAWLRVVLEKPFQGHDFSAQQLATELGTFQEEEMYRVDHYLGKQA VAQILPFRDQNRKALDGLWNRHHVERVEIIMKETVDAEGRTSFYEEYGVIRDVLQNLHTEVLTLVAMELP HNVSSAEAVLRHKLQVFQALRGLQRGSAVVGQYQSYSEQVRRELQKPDFHSLTPTFAAVLVHIDNLRWE GVPFILMSGKALDERVGYARILFKNQACCVQSEKHWAASQCLPRQLVFHIGHDGSPAVLVSRNLF PSLPSSWKEMEGPPGLRFLGSPVSDYYAYSPVQERDAHSVLLSHIFHGRKNFFITTENLLASWNFWTPLL ESLAHKAPRLYPGAENGRLDFFSSGRLFFSQQPEQLVPGPGPAMPSPDFQLRAKYRESPLVSAWS EELISKLANDIEATAVRVRRFGQFHLALSGGSSPVALFQQLATAHYGFPWAHTHLWLVDERCPLSDPE SNFQGLQAHLLQHVRIPYYNIHPMPVHLQQRCAEEDQGAQIYAREISALVANSFSDLVLLGMGADGHTA SLFPQSPTGLDGEQLVVLTTSPSQPHRRMSLSLPLINRAKKVAVLVMGRMKREITTLVSRVGHEPKKWPI SGVLPHSGQLVWYMDYDAFLG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004285
ORF Size:	2373 bp
Buffer:	PBS with 0.001% Pluronic F6528
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:	NM_004285.3
RefSeq Size:	9117 bp
RefSeq ORF:	2376 bp
Locus ID:	9563
UniProt ID:	O95479
Cytogenetics:	1p36.22
MW:	88.9 kDa