

Product datasheet for **RC208737A1V**

Human **GLUD2** (NM_012084) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GLUD2 (NM_012084) AAV Particle
Tag:	Myc-DDK
Symbol:	GLUD2
Synonyms:	GDH2; GLUDP1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC208737 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTACCGCTACCTGGCCAAAGCGCTGCTGCCGTCCCGGGCCGGGCCCGCTGCCCTGGGCTCCGCGGCCA
 ACCACTCGGCCGCGTTGCTGGGCGGGGCGCGGACAGCCCGCCGCGCCTCGCAGCCGGGGCTCGCATT
 GGCCGCGCGGCCCACTACAGCGAGTTGGTGGCCGACCGCGAGGACGACCCCACTTCTTCAAGATGGTG
 GAGGGCTTCTCGATCGCGCGCCAGCATCGTGGAGGACAAGTTGGTGAAGGACCTGAGGACCCAGGAAA
 GCGAGGAGCAGAAGCGGAACCGGGTGCAGGATCCTGCGGATCATCAAGCCCTGCAACCATGTGCTGAG
 TCTCTCTTCCCATCCGGCGCGACGAGGCTCCTGGGAGTTCATGAAGGCTACCGGGCCAGCACAGC
 CAGCACCAGCAGCCCTGCAAGGGAGGTATCCGTTACAGCACTGATGTAGTGTAGATGAAGTAAAAGCTT
 TGGCTTCTCTGATGACATACAAGTGTGAGTGGTTGATGTGCCGTTTGGGGGTGCTAAAGCTGGTGTAA
 GATCAATCCCAAGAACTATACGAAAAATGAATTGAAAAGATCACAAGGAGGTTACCATGGAGTAGCA
 AAGAAGGGCTTTATTGGTCTGGCGTTGATGTGCCTGCTCCAGACATGAACACAGGTGAGCGGGAGATGT
 CCTGGATTGCTGATACCTATGCCAGCACCATAGGGCACTATGATATTAATGCACACGCTGTGTTACTGG
 TAAACCATCAGCCAAGGGGAATCCATGGACGCATCTCTGCTACTGGCCGTGGTGTCTTCCATGGGATT
 GAAAACCTCATCAATGAAGCTTCTTACATGAGCATTTTAGGAATGACACCAGGGTTTAGAGATAAAACAT
 TTGTTGTTTCAAGGATTTGGTAATGTGGGCTACACTCTATGAGATATTTACATCGTTTTGGTGCTAAATG
 TATTGCTGTTGGTGAGTCTGATGGGAGTATATGGAATCCAGATGGTATTGACCCAAAGGAAGTGAAGAC
 TTCAAATTGCAACATGGGTCCATTCTGGGCTTCCCAAGGCAAGCCCTATGAAGGAAGCATCTTGGAGG
 TCGAGTGTGACATACTGATCCAGCTGCCACTGAGAAGCAGTTGACCAATCCAACGCACCCAGAGTCAA
 AGCCAAGATCATTGCTGAAGGTGCCAATGGGCCAACAATCCAGAAGCTGATAAGATCTTCTGGAGAGA
 AACATTTTGGTTATTCCAGATCTCTACTGAATGCTGGAGGAGTGACAGTATCTTACTTTGAGTGCTGA
 AGAATCTAAATCATGTGAGCTATGGCCGTTTGACCTTCAAATATGAAAGGGATTCTAACTACCACTTGCT
 CCTGTCTGTTCAAGAGAGTTTAGAAAGAAAATTTGAAAGCATGGTGGAACTATTTCCATTGTACCCACG
 GCAGAGTTCCAAGACAGTATATCGGGTGCATCTGAGAAAGACATTGTGCACTCTGCCTTGGCATAACAA
 TGGAGCGTTCTGCCAGGCAAATTATGCACACAGCCATGAAGTATAACCTGGGATTGGACCTGAGAACAGC
 TGCTATGTCAATGCCATTGAAAAAGTCTTCAAAGTGTACAGTGAAGCTGGTGTGACCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208737 protein sequence
 Red=Cloning site Green=Tags(s)

MYRYLAKALLPSRAGPAALGSAANHSAALLGRGRGQPAASQPLALARRHYSELVADREDDPNFFKMV
 EGFFDRGASIVEDKLVKDLRTQESEEQKRNRVRGILRIKPCNHVLSLSPFIRDDGSWEVIEGYRAQHS
 QHRTPKGGIRYSTDVSDEVKALASLMTYKCAVVDVPPFGGAKAGVKINPKNYTENELEKITRRFTMELA
 KKGFIGPGVDVPAPDMNTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHRISATGRGVFHGI
 ENFINEASYMSILGMTPGFRDKTFVVQFGFNVGLHSMRYLHRFGAKCIAVGESDGSINWPDGIDPKELED
 FKLQHGSI LGFPKAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKIIAEGANGPTTPEADKIFLER
 NILVIPDLYLNAGGVTVSYFEWLKNLHVSYGRLTFKYERDSNYHLLLSVQESLERKFGKHGGTIPVPT
 AEFQDSISGASEKDIVHSALAYTMERSARQIMHTAMKYNLGLDLRTAAYVNAIEKVFKVYSEAGVTFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_012084

ORF Size:	1674 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_012084.3</u>
RefSeq Size:	2348 bp
RefSeq ORF:	1677 bp
Locus ID:	2747
UniProt ID:	<u>P49448</u>
Cytogenetics:	Xq24
MW:	61.4 kDa