

Product datasheet for **RC211375A1V**

Human Glycogen synthase 2 (GYS2) (NM_021957) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glycogen synthase 2 (GYS2) (NM_021957) AAV Particle
Tag:	Myc-DDK
Symbol:	GYS2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC211375 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTTCGAGGCCGATCCCTCTCTGTAACTCCCTGGGTGGGCTTCCCCAGTGGGAAGTCAAGAAGTTC
CTGTGGAGGAGTTACTGCTCTTTGAAGTTGCTTGGGAAGTGACCAATAAAGTTGGAGGCATCTATACTGT
GATTCAGACAAAGGCCAAAAACAACAGCAGATGAATGGGAGAGAACTATTTCTGATAGGTCCATATTTT
GAGCATAATATGAAGACTCAGGTGGAACAGTGTGAACCTGTAAATGATGCTGTCAGAAGAGCAGTGGACG
CAATGAATAAGCATGGCTGCCAGGTGCATTTTGAAGATGGCTGATAGAAGGAAGTCTTATGTGGTACT
TTTTGACATAGGCTATTCAGCTTGAATCTGGACAGGTGGAAGGGTGACCTCTGGGAAGCATGCAGTGT
GGCATTCTTATCATGACCGAGAAGCCAATGATATGCTGATATTTGGATCTTTAACTGCCTGGTTCTTAA
AAGAGGTGACAGATCATGCAGATGGTAAATATGTCGTTGCCAATTCCATGAATGGCAGGCTGGAATTGG
ACTGATCTTTCTCGAGCCAGGAACTTCTATTGCCACAATATTTACAACCCACGCTACACTACTTGGG
AGGTATCTCTGTGCAGCAATATTGATTCTACAACCATCTTGATAAGTTTAAACATTGACAAAGAGGCTG
GGGAAAGGCAGATTTACCACCGTACTGCATGGAGCGAGCTTCCGTTTATTGCGCTCACGTGTTACCCAC
GGTTTCTGAAATAACAGCAATAGAAGCTGAACATATGCTGAAGAGAAAGCCTGATGTAGTTACTCCAAAC
GGCTTGAATGTTAAGAAATTTTTCAGCAGTGCATGAGTTTCAAAATCTACATGCCATGTACAAGGCCAGAA
TCCAAGATTTTGTTCGAGGTCAATTTCTATGGTCATCTCGACTTTGATCTTGAAAAGACTTTGTTCTTTT
CATTGCTGGGAGGTATGAGTTTTCAAACAAAGGAGCTGACATCTTCTAGAATCCTTATCCAGGCTAAAT
TTCTGCTGAGGATGCATAAAAGTGACATCACAGTGGTGGTGTGTTTTCATTATGCCTGCCAAGACAAATA
ATTTCAACGTGGAAACCCTGAAAGGACAAGCAGTGCGAAAACAGCTGTGGGATGTTGCACATTCTGTGAA
GGAAAAGTTTGGAAAAAACTCTATGATGCATTATTAAGAGGAGAAATTCCTGACCTGAACGATATTTTA
GATCGAGATGATCTAACAATTATGAAAAGAGCCATCTTTTCAACTCAGCGACAGTCATTGCCCCAGTGA
CCACGCACAACATGATTGATGACTCCACCGACCCATCCTCAGCACCATTAGACGGATTGGACTTTTCAA
CAACCGCACAGATAGAGTCAAGGTGATTTTGCACCCAGAGTTTCTATCCTCCACCGTCCCTTACTACCC
ATGGACTATGAAGAGTTTGTAGAGGTGTGATCTTGGAGTATTTCCATCATACTATGAACCTGGGGTT
ATACTCCAGCTGAATGCACTGTGATGGGTATCCCCAGTGTGACCACGAATCTCTCCGGGTTTGGCTGTT
CATGCAGGAGCACGTGGCTGATCCTACTGCTTACGGTATTTACATCGTTGACAGGCGGTTCCGTTCTCCA
GATGATTCTTGCAATCAGCTGACTAAGTTTCTCTATGGATTTTGCAAACAGTCACGCCGCCAAAGGATTA
TCCAGAGGAACAGAACTGAGAGGCTCTCAGATCTTCTGGATTGGAGATACTTAGGCAGATATTACCAGCA
TGCCAGACACCTGACATTAAGCAGAGCTTTTCCAGATAAATCCATGTGGAACAAACATACCCACCAACG
ACAGAAGGATTTAAATATCCCAGGCCTTCTCAGTACCACCTTCTCCTCAGGGTCTCAGGCCTCCAGTC
CTCAGAGCAGTGATGTGGAAGATGAAGTGGAGGATGAGAGATACGATGAGGAAGAGGAGGCTGAAAGGGA
TCGGTTAAATATCAAGTCACCATTTTCACTGAGCCACGTTCTCATGGGAAGAAAAGCTGCATGGTGAA
TATAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC211375 protein sequence Red=Cloning site Green=Tags(s) MLRGRSLSVTSLGGLPQWEVEELPVEELLLFEVAWEVTNKVGGIYTVIQTAKTTADEWGENYFLIGPYF EHNMKTQVEQCEPVNDVRRAYDAMNKHGCQVHFGRWLIEGSPYVVLFDIGYSAWNLDRWKGDLEACSV GIPYHDREANDMLIFGSLTAWFLKEVTDHADGKYVVAQFHEWQAGIGLILSRARKLPIATIFTTHATLLG RYLCAANIDFYNHLDKFNIDKEAGERQIYHRYCMERASVHCAHVFTTVSEITAIEAEHMLKRKPDVVTPN GLNVKKFSAVHEFQNLHAMYKARIQDFVRGHFYGHLDLFDLEKTLFLFIAGRYEFSNKGADIFLESLSRLN FLLRMHKSDITVVVFFIMPAKTNNFNVELTKGQAVRKQLWDVAHSVKEKFGKKLYDALLRGEIPDLNDIL DRDDLTIMKRAIFSTQRQSLPPVTTHNMIDDSTDPIILSTIRRIGLFNNRTDRVKVILHPEFLSSTSPLLP MDYEEFVRGCHLGVFSPSYEPWGYTPAECTVMGIPSVTTNLSGFGCFMQEHVADPTAYGIYIVDRFRSP DDSCNQLTKFLYGFCQKSRQRRIQRNTERLSDLLDWRYLGRYYQHARHLTLRAFPDKFHVELTSPTT TEGFKYPRPSSVPPSPSGSQASSPQSSDVEDEVEDERYDEEEEAERDRLNIKSPFSLSHVPHGKKKLHGE YKN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_021957
ORF Size:	2109 bp
Buffer:	PBS with 0.001% Pluronic F6714
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_021957.2 , NP_068776.1
RefSeq Size:	3132 bp
RefSeq ORF:	2112 bp
Locus ID:	2998
UniProt ID:	P54840
Cytogenetics:	12p12.1
MW:	81 kDa