

Product datasheet for **RC225984A1V**

Human GAD65 (GAD2) (NM_001134366) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GAD65 (GAD2) (NM_001134366) AAV Particle
Tag:	Myc-DDK
Symbol:	GAD2
Synonyms:	GAD65
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC225984 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCATCTCCGGCTCTGGCTTTTGGTCTTCGGGTCGGAAGATGGCTCTGGGATTCCGAGAATCCCG
 GCACAGCGCAGCCTGGTGCCAAGTGGCTCAGAAGTTCACGGCGGCATCGGAAACAACTGTGCGCCCT
 GCTCTACGGAGACGCCGAGAAGCCGGCGGAGAGCGCGGAGCCAACCCCGCGGGCGCGCCCGGAAG
 GCCGCCTGCGCCTGCGACCAGAAGCCCTGCAGCTGCTCCAAAGTGGATGTCAACTACGCGTTTCTCCATG
 CAACAGACCTGCTGCCGCGTGTGATGGAGAAAGGCCACTTTGGCGTTTCTGCAAGATGTTATGAACAT
 TTTACTTCAGTATGTGGTGAAGTTTCGATAGATCAACCAAAGTGATTGATTTCATTATCCTAATGAG
 CTTCTCCAAGAATATAATTGGGAATTGGCAGACCAACCACAAATTTGGAGGAAATTTTGATGCATTGCC
 AAACAACCTAAAATATGCAATTAACAGGGCATCTAGATACTTCAATCAACTTTCTACTGGTTTGA
 TATGGTTGGATTAGCAGCAGACTGGCTGACATCAACAGCAAATACTAACATGTTACCTATGAAATTGCT
 CCAGTATTTGTCTTTTGAATATGTCACACTAAAGAAAATGAGAGAAATCATTGGCTGGCCAGGGGGCT
 CTGGCGATGGGATATTTCTCCCGTGGCGCCATATCTAACATGTATGCCATGATGATCGCACGCTTTAA
 GATGTTCCCAAGTCAAGGAGAAAGGAATGGCTGCTCTTCCAGGCTCATTGCCTTACGCTGTAACAT
 AGTCATTTTCTCTCAAGAAGGAGCTGCAGCCTTAGGGATTGGAACAGACAGCGTGATTCTGATTAAAT
 GTGATGAGAGAGGGAATGATTCCATCTGATCTTGAAGAAGGATTCTGAAGCCAAACAGAAAGGTT
 TGTTCTTTCTCGTGAGTGCCACAGCTGGAACACCGTGTACGGAGCATTGACCCCTCTAGCTGTC
 GCTGACATTTGCAAAAAGTATAAGATCTGGATGCATGTGGATGCAGCTTGGGGTGGGGGATTACTGATGT
 CCCGAAACACAAGTGAAACTGAGTGGCGTGGAGAGGGCCAACCTCTGTGACGTGGAATCCACACAAGAT
 GATGGGAGTCCCTTTGCAGTGCTCTGCTCTCTGGTTAGAGAAGAGGGATTGATGCAGAATTGCAACCAA
 ATGCATGCCTCTACCTCTTTCAGCAAGATAAACATTATGACCTGTCCTATGACACTGGAGACAAGGCCT
 TACAGTGCGGACGCCACGTTGATGTTTTTAACTATGGCTGATGTGGAGGGCAAAGGGGACTACCGGTT
 TGAAGCGCATGTTGATAAATGTTGGAGTTGGCAGAGTATTTATACAACATCATAAAAAACCGAGAAGGA
 TATGAGATGGTGTGATGGGAAGCCTCAGCACACAAATGTCTGCTTCTGGTACATTCTCCAAGCTTGC
 GTACTCTGGAAGACAATGAAGAGAGAATGAGTCGCCTCTCGAAGGTGGCTCCAGTGATTAAGCCAGAAT
 GATGGAGTATGGAACCACAATGGTCAGTACCAACCCTTGGGAGACAAGGTCAATTTCTCCGCATGGTC
 ATCTAAACCCAGCGGCAACTACCAAGACATTGACTTCTGATTGAAGAAATAGAACGCCTTGACAAG
 ATTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225984 protein sequence
 Red=Cloning site Green=Tags(s)

MASPGSGFWSFGSEDGSGDSENPGTARAWCQVAQKFTGGIGNKLCALLYGDAEKPAESGGSQPPRAAARK
 AACACDQKPCSCSKVDVNYAFLHATDLLPACDGERPTLAFLQDVMNILLQYVVKSFDRSTKVIDFHYPNE
 LLQEYNWELADQPQNLEEILMHCQTTLKYAIKTGHPRYFNQLSTGLDMVGLAADWLSTANTNMFTYEIA
 PVFVLLEYVTLKKMREIIGWPGSGDGIFSPGGAISNMYAMMIARFKMFPEVKEKGMAALPRLIAFTSEH
 SHFSLKKGAAALGIGTDSVILIKCDERGMIPSDLERRILEAKQKGFVPFLVSATAGTTVYGAFDPLLAV
 ADICKYKIWMHVDAAWGGGLMSRKHKWKLSGVERANSVTWNPHKMMGVPLQCSALLVREEGLMQNCNQ
 MHASYLFQQDKHYDLSDYTDGKALQCGRHVDVFKLWLMWRAKGTTFEAEHVDKCLELAEYLYNIKNREG
 YEMVFDGKPQHTNVCFWYIPPSLRTLEDNEERMSRLSKVAPVIKARMMEYGTMTVSYQPLGDKVNFVRM
 ISNPAATHQDIDFLIEIERLGQDL

SGPTRTRPLE**QKLI**SEED**LA**AND**ILDYKDDDDK**V

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001134366
ORF Size:	1755 bp
Buffer:	PBS with 0.001% Pluronic F8913
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_001134366.1</u>
RefSeq Size:	2419 bp
RefSeq ORF:	1758 bp
Locus ID:	2572
UniProt ID:	<u>Q05329</u>
Cytogenetics:	10p12.1
MW:	65.4 kDa