

## Product datasheet for **RC222358A1V**

### Human GALNTL1 (GALNT16) (NM\_020692) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human GALNTL1 (GALNT16) (NM_020692) AAV Particle
Tag:	Myc-DDK
Symbol:	GALNTL1
Synonyms:	GalNAc-T16; GALNACT16; GALNTL1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC222358 representing NM\_020692  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGAAGATCCGCGCCAATGCCATCGCCATCCTGACCGTAGCCTGGATCCTGGGCACTTTCTACTACT  
 TATGGCAGGACAACCGAGCCACGCAGCATCCTCCGGCGCCGGGGCGCGCAGAGGGCAGGCAGGAGGTC  
 GGAGCAGCTCCGCGAGGACCGCACCATCCCGCTCATTGTGACAGGAACCCCTCGAAAGGCTTTGATGAG  
 AAGGCCTACCTGTGCGCCAAGCAGCTGAAGGCTGGAGAGGACCCCTACAGACAGCACGCCTTCAACCAGC  
 TGGAGAGTGACAAGCTGAGCCCAGACCGGCCATCCGGGACACCCGCCATTACAGCTGCCCATCTGTGTC  
 CTACTCCTCGGACCTGCCAGCCACCAGCGTCATCATCACCTTCCACAATGAGGCCGTTCCACCCTGCTG  
 CGCACAGTGAAGAGTGTCTGAACCGAACTCCTGCCAATTGATCCAGGAGATCATTTTAGTGGATGACT  
 TCAGCTCAGATCCGGAAGACTGTCTACTCCTGACCAGGATCCCCAAGGTCAGTGCCTGCCAATGATCG  
 GCGGGAAGGGCTGATCCGGTCCCGAGTGGTGGGGCGGACATGGCTGCAGCTACCGTTCTCACCTTCTG  
 GATAGCCACTGCGAAGTGAACACCGAGTGGCTGCCGCCATGCTGCAGCGGGTGAAGGAGGACCACCC  
 GCGTGGTGAGTCCCATCATTGATGTCATCAGTCTGGATAATTTGCCTACCTTGACGATCTGCTGACCT  
 TCGTGGAGGGTTCGACTGGAGCCTGCATTTCAAGTGGGAGCAGATCCCTCTTGAGCAGAAGATGACCCGG  
 ACAGACCCACCAGGCCATAAAGGACGCTGTGATAGCTGGAGGAATCTTCGTGATCGACAAGTCTGGT  
 TTAACCACTGGGAAAGTATGATGCCAGATGGACATCTGGGGGGGAGAGAATTTGAGCTCTCCTTCAG  
 GGTGTGGATGTGTGGTGGCAGTCTGGAGATCGTCCCCTGCAGCCGGTGGGCCATGTCTTCAGGAAACGG  
 CACCCCTACAACCTCCCTGAGGGTAATGCCCTCACCTACATCAGGAATACTAAGCGCACTGCAGAAGTGT  
 GGATGGATGAATAACAAGCAATACTACTATGAGGCCCGCCCTCGGCCATCGGGAAGGCCCTCGGCAGTGT  
 GGCTACGCGGATAGAGCAGAGGAAGAAGATGAACTGAACTGCAAGTCTTCCGCTGGTACCTGGAGAAGCTAC  
 CCAGAGCTCACGGTCCCGTGAAGGAAGCACTCCCGGCATCATTAAAGCAGGGGGTGAAGTCTTAGAAT  
 CTCAGGGCCAGAACACAGCTGGTACTTCTGCTTGAATGGGGATCTGCAGAGGGTCTGCCAAGAACC  
 GCAGCCCGCCAGGCATGGCTGTTCACTGACCACCTCATCCAGCAGCAGGGGAAGTGCCTGGCTGCCACC  
 TCCACCTTAATGTCTCCCTGGATCCCGAGTCACTGCAGATGTGCAACCCTAGAGAAGGCAAGCAGA  
 AATGGAGGAGAAAAGGATCTTTCATCCAGCATTAGTCACTGGCCTCTGCCTGGAGACAAAGCCTGCCCA  
 GCTGGTGACCAGCAAGTGTGAGGCTGACGCCAGGCCAGCAGTGGCAGCTGTTGCCACACACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

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MRKIRANAIAILTVAWILGTFYYLWQDNRAHAASSGGRGAQRAGRRSEQLREDRTIPLIVTGTPSKGFDE  
 KAYLSAKQLKAGEDPYRQHAFNQLESDKLSRDRPIRDTRHYSCPSVSYSSDLPATSVIITFHNEARSTLL  
 RTVKSVLNRTPANLIQEIILVDDFSSDPEDCLLLTRIPKVKCLRNDREGLIRSRVRGADMAAATVLTFL  
 DSHCEVNTWELPPMLQVRKEDHTRVSPPIIDVISLDNFAYLAASADLRGGFDWSLHFKWEQIPLEQKMT  
 TDPTRPVIRTPVIAGGIFVIDKSWFNHLGKYDAQMDIWGGENFELSFRVWMCSSLEIVPCSRVGHVFRKR  
 HPYNFPEGNALTYIRNTKRTAEVWMDYKQYYEARPSAIGKAFGSVATRIEQRKMNCKSFRWYLENVY  
 PELTVPVKEALPGI IKQGVNCLSESQGNQTAGDFLLGMGICRGS AKNPQPAQAWLFSDDL IQQGGKCLAAT  
 STLMSPPGSPVILQMCNPREGKQKWRKGSFIQHSVSGLCLETQPAQLVTSKQADAQAQQWQLLPH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_020692

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_020692.1, NP_065743.1</u>
RefSeq Size:	2926 bp
RefSeq ORF:	1677 bp
Locus ID:	57452
UniProt ID:	<u>Q8N428</u>
Cytogenetics:	14q24.1
MW:	62.9 kDa