

## Product datasheet for **RC224968A1V**

### Human GTP cyclohydrolase 1 (GCH1) (NM\_001024024) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human GTP cyclohydrolase 1 (GCH1) (NM_001024024) AAV Particle
Tag:	Myc-DDK
Symbol:	GTP cyclohydrolase 1
Synonyms:	DYT5; DYT5a; DYT14; GCH; GTP-CH-1; GTPCH1; HPABH4B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC224968 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGAAGGGCCCTGTGCGGGCACCGCGGAGAAGCCGCGGGGCGCCAGGTGCAGCAATGGGTTCCCCG  
AGCGGGATCCGCCGCGGGCCCGGGCCAGCAGGCCGCGGAGAAGCCCCGCGGCCGAGGCCAAGAGCGC  
GCAGCCCGCGGACGGCTGGAAGGGCGAGCGGCCCGCAGCGAGGAGGATAACGAGCTGAACCTCCCTAAC  
CTGGCAGCCGCCTACTCGTCCATCCTGAGCTCGCTGGCGGAGAACCCCGAGCGCAAGGGCTGCTCAAGA  
CGCCCTGGAGGGCGCCCTCGGCCATGCAGTTCTCACCAAGGGCTACCAGGAGACCATCTCAGATGTCCCT  
AAACGATGCTATATTTGATGAAGATCATGATGAGATGGTGATTGTGAAGGACATAGACATGTTTTCCATG  
TGTGAGCATCACTTGGTTCCATTTGTTGAAAAGGTCCATATTGGTTATCTTCTAACAAGCAAGTCCTTG  
GCCTCAGCAAACCTTGCAGGATTGTAGAAATCTATAGTAGAAGACTACAAGTTCAGGAGCGCCTTACAAA  
ACAAATTGCTGTAGCAATCACGGAAGCCTTGCAGCCTGCTGGAGTCGGGGTAGTGGTTGAAGCAACACAC  
ATGTGTATGGTAATGCGAGGTGTACAGAAAATGAACAGCAAACCTGTGACCAGCACAATGTTGGGTGTGT  
TCCGGGAGGATCAAAGACTCGGGAAGAGTTCCTGACTCTCATTAGGAGC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Protein Sequence:</b>	<p>&gt;RC224968 protein sequence  <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MEKGPVRAPAEKPRGARCSNGFPERDPPRPGPSRPAEKPPRPEAKSAQPADGWKGERPRSEEDNELNLPN          LAAAYSSILSSLGENPQRQGLLKPWRAASAMQFFTKGYQETISDVLNDAIFDEDHDEMVIKIDIMFSM          CEHHLVPFVGKVHIGYLPNKQVLGLSKLARIVEIYSRRLQVQERLTKQIAVAITEALRPAGVGVVVEATH          MCMVMRGVQKMNSKTVTSTMLGVFREDPKTREEFLTLIRS</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span></p>
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_001024024
<b>ORF Size:</b>	750 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001024024.1</a></u> , <u><a href="#">NP_001019195.1</a></u>
<b>RefSeq Size:</b>	1995 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	2643
<b>UniProt ID:</b>	<u><a href="#">P30793</a></u>
<b>Cytogenetics:</b>	14q22.2
<b>MW:</b>	27.9 kDa