

Product datasheet for **RC211218A1V**

Human Tyrosine Hydroxylase (TH) (NM_000360) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Tyrosine Hydroxylase (TH) (NM_000360) AAV Particle
Tag:	Myc-DDK
Symbol:	Tyrosine Hydroxylase
Synonyms:	DYT5b; DYT14; TYH
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211218 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACCCCGACGCCACCACGCCACAGGCCAAGGGCTTCCGACGGCCGTGTCTGAGCTGGACGCCA
 AGCAGGCAGAGGCCATCATGTCCCGCGGTTTCATTGGGCGCAGGCAGAGCCTCATCGAGGACGCCCGCAA
 GGAGCGGGAGGCGCGGTGGCAGCAGCGCCGCTGCAGTCCCCTCGGAGCCCGGGGACCCCTGGAGGCT
 GTGGCCTTTGAGGAGAAGGAGGGGAAGGCCATGCTAAACCTGCTTTCTCCCGAGGGCCACCAAGCCCT
 CGGCGCTGTCCCGAGCTGTGAAGGTGTTTGAACGTTTGAAGCCAAAATCCACCATCTAGAGACCCGGCC
 CGCCAGAGGCCGCGAGCTGGGGCCCCACCTGGAGTACTTCGTGCGCCTCGAGGTGCGCCGAGGGGAC
 CTGGCCGCCCTGCTCAGTGGTGTGCGCCAGGTGTCAGAGGACGTGCGCAGCCCGCGGGGCCAAGGTCC
 CCTGGTCCCAAGAAAAGTGTGAGAGCTGGACAAGTGTATCACCTGGTACCAAGTTCGACCCTGACCT
 GGACTTGGACCACCCGGGCTTCTCGACAGGTGTACCGCCAGCGCAGGAAGCTGATTGCTGAGATCGCC
 TTCCAGTACAGGCACGGCGACCCGATTCCCCGTGTGGAGTACACCGCCGAGGAGATTGCCACCTGGAAAG
 AGGTCTACACCACGCTGAAGGGCCTCTACGCCACGCACGCTGCGGGGAGCACCTGGAGGCCCTTGTCTT
 GCTGGAGCGCTTACGCGGCTACCGGAAGACAATATCCCCAGCTGGAGGACGTCTCCCGCTTCTGAAG
 GAGCGCACGGGCTTCCAGCTGCGGCCTGTGGCCGGCCTGCTGTCCGCCGGGACTTCTGGCCAGCCTGG
 CCTTCCGCGTGTTCAGTGCACCCAGTATATCCGCCACGCGTCTCGCCCATGCACTCCCTGAGCCGGA
 CTGCTGCCACGAGCTGCTGGGGCAGTGCCCATGCTGGCCGACCGCACCTTCGCGCAGTTCTCGCAGGAC
 ATTGGCCTGGCGTCCCTGGGGCCTCGGATGAGGAAATGAGAAGCTGTCCACGCTGTACTGGTTCACGG
 TGGAGTTCGGGCTGTGTAAAGCAGAACGGGGAGGTGAAGGCCTATGGTGCCGGGCTGCTGTCTCCTCAGG
 GGAGCTCCTGCACTGCCTGTCTGAGGAGCCTGAGATTGGGGCCTTCGACCCTGAGGCTGCGGCCCTGCGAG
 CCCTACCAAGACCAGACGTACCAAGTCACTTCTGCTGTCTGAGAGCTTCAGTACGCCAAGGACAAGC
 TCAGGAGCTATGCCTCACGCATCCAGCGCCCTTCTCCGTGAAGTTCGACCCGTACACGCTGGCCATCGA
 CGTGCTGGACAGCCCCAGGCCGTGCGGCGCTCCCTGGAGGTGTCCAGGATGAGCTGGACACCCCTTGCC
 CATGCGCTGAGTGCCATTGGC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211218 protein sequence
 Red=Cloning site Green=Tags(s)

MPTPDATTPQAKGFRRVSELDKQAEAIMSPRFIGRRQSLIEDARKEREAAVAAAAAAMPSEPGDPLEA
 VAFEEKEGKAMNLLFSPRATKPSALSRAVKVFETFEAKIHHLETRPAQRPRAGGPHLEYFVRLVRRGD
 LAALLSGVRQVSEDVRSAPGPKVPWFPRKVSSELDKCHHLVTKFDPDLDDHPGFSDQVYRQRRLIAEIA
 FQYRHGDPPIPRVEYTAEEIATWKEVYTTLKLGLYATHACGEHLEAFALLERFSYREDNIPQLEDVSRFLK
 ERTGFQLRPVAGLLSARDFLASLAFRVFQCTQYIRHASSPMHSPEPDCHELLGHVPMPLADRTFAQFSQD
 IGLASLGASDEEIEKLSTLYWFTVEFLCKQNGEVKAYGAGLLSSYGELLHCLSEEPEIRAFDPEAAAVQ
 PYQDQTYQSVYFVSESFSDAKDKLRSYASRIQRPFVSKFDPYTLAIDVLDSPQAVRRSLEGVQDELDTLA
 HALSAIG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000360

ORF Size:

1491 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_000360.3</u>
RefSeq Size:	1817 bp
RefSeq ORF:	1494 bp
Locus ID:	7054
UniProt ID:	<u>P07101</u>
Cytogenetics:	11p15.5
MW:	55.6 kDa