

Product datasheet for **RC212355A1V**

Human Dopamine beta Hydroxylase (DBH) (NM_000787) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Dopamine beta Hydroxylase (DBH) (NM_000787) AAV Particle
Tag:	Myc-DDK
Symbol:	DBH
Synonyms:	DBM; ORTHYP1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC212355 representing NM_000787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGCCCGCCCTCAGTCGCTGGGCCAGCCTGCCCGCCCCAGCATGCGGGAGGCAGCCTTCATGTACAGCA
 CAGCAGTGGCCATCTTCTGGTCATCCTGGTGGCCGCACTGCAGGGCTCGGCTCCCCGTGAGAGCCCCCT
 CCCCTATCACATCCCCCTGGACCCGAGGGGTCCCTGGAGCTCTCATGGAATGTAGCTACACCCAGGAG
 GCCATCCATTTCCAGCTCCTGGTGGGAGGCTCAAGGCTGGCGTCTGTTGGGATGTCCGACCGTGGCG
 AGCTTGAGAACGAGATCTCGTGGTCTCTGGACCGATGGGGACACTGCCTATTTTGGGACGCCTGGAG
 TGACCAGAAGGGGAGATCCACCTGGATCCCCAGCAGGACTACCAGCTGCTGCAGGTGCAGAGGACCCCA
 GAAGGCCTGACCTGCTTTTCAAGAGGCCCTTTGGCACCTGCGACCCCAAGGATTACCTCATTGARGACG
 GCACTGTCCACTTGGTCTACGGGATCCTGGAGGAGCCGTTCCGGTCACTGGAGGCCATCAACGGCTCGGG
 CCTGCAGATGGGGCTGCAGAGGGTGCAGCTCCTGAAGCCCAATATCCCGAACCGGAGTTGCCCTCAGAC
 GCGTGCACCATGGAGGTCCAAGCTCCCAATATCCAGATCCCCAGCCAGGAGACCACTGCTGGTGTACA
 TTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACCACTTCAAGTACGAGCCCATCGTACCAAGGGCAA
 TGAGGCCCTTGTCCACCACATGGAAGTCTTCCAGTGGCGCCCCGAGATGGACAGCGTCCCCCACTTCAGC
 GGGCCCTGCGACTCCAAGATGAAACCCGACCGCTCACTACTGCCGCCAGTGTGGCCGCTGGGGCC
 TGGGTGCCAAGGCATTTTACTACCCAGAGGAAGCCGCGCTTGCCTTGGGGGTCCAGGGTCTCCAGATA
 TCTCCGCTGGAAGTTCACTACCACAACCCACTGGTGATAGAAGGACGAAACGACTCCTCAGGCATCCGC
 TTGTACTACACAGCCAAGCTGCGGCGCTTCAACGCGGGGATCATGGAGCTGGGACTGGTGTACACGCCAG
 TGATGGCCATTCCACCACGGGAGACCGCCTTCACTCCTCACTGGTACTGCACGGACAAGTGCACCCAGCT
 GGCACCTGCCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGGTG
 GTCACAGTGCTGGTCCGGGACGCGCGGAGTGGGAGATCGTGAACCAGGACAATCACTACAGCCCTCACT
 TCCAGGAGATCCGCATGTTGAAGAAGTCTGTGCGGTCCATCCGGGAGATGTGCTCATCACCTCTGCAC
 GTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGCTTCCGGATCCTGGAGGAGATGTGTGTCAAC
 TACGTGCACTACTACCCCGACGACGAGCTGGAGCTCTGCAAGAGCGTGTGGACGCCGGCTTCTGCAGA
 AGTACTCCACCTCATCAACAGGTTCAACAACGAGGATGTCTGCACCTGCCCTCAGGCGTCCGTGTCTCA
 GCAGTTCACTCTGTTCCCTGGAACCTTCAACCGCGACGACTGAAGGCCCTGTACAGCTTCGCGCCC
 ATCTCCATGCACTGCAACAAGTCTCAGCCGTCGCTTCCAGGGTGAATGGAACCTGCAGCCCTGCCCA
 AGGTATCTCCCACTGGAAGAGCCACCCACAGTGGCCACAGCCAGGGCCGAAGCCCTGCTGGCCC
 CACCGTTGTACGATTGGTGGGGCAAAGGC

ACCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MPALSRWASLPGSMREAAFMYSTAVAIFLVILVAALQGSAPRESPLPYHIPLDPEGSLELSWNVSYTQE
 AIHFQLLVRRLLKAGVLFGMSDRGELENADLVVLWTDGDTAYFADAWSDQKGQIHLDPQQDYQLLQVQRT
 EGLTLLFKRPFGTCDPKDYLIXDGTVHLVYGIIEEPFRSLEAINGSLQMLQRVQLLKPNIPPELPSD
 ACTMEVQAPNIQIPSQETTYWCYIKELPKGFSRHHIIKYEPIVTKGNEALVHHMEVFQCAPEMDSVPHFS
 GPCDSKMKPDLNLYCRHVLAAWALGAKAFYYPEEAGLAFGGPGSSRYLRLEVHYHNPLVIEGRNDSGIR
 LYYTAKLRRFNAGIMELGLVYTPVMAIPPRETAFILTYCTDKCTQLALPPSGIHFASQLHHTLTGRKV
 VTVLVRDGREWEIVNQDNHYSHPFQEIIRMLKKVSVHPGDVLTISCTYNTEDRELATVGGFGILEEMCVN
 YVHYYPQTQLELCKSAVDAGFLQKYFHLINRFNEDVCTCPQASVSQQFTSVPWNSFNVDLKLALYSFAP
 ISMHCNKSSAVRFQGEWNLQPLPKVISTLEETPQCPTSQGRSPAGPTTVSISGGKG

SGPTRRRLQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000787
ORF Size:	1851 bp
Buffer:	PBS with 0.001% Pluronic F6871
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_000787.3, NP_000778.3</u>
RefSeq Size:	2812 bp
RefSeq ORF:	1854 bp
Locus ID:	1621
UniProt ID:	<u>P09172</u>
Cytogenetics:	9q34.2
MW:	69.06 kDa