

Product datasheet for **RC221797A1V**

Human Tyrosinase (TYR) (NM_000372) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Tyrosinase (TYR) (NM_000372) AAV Particle
Tag:	Myc-DDK
Symbol:	Tyrosinase
Synonyms:	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221797 representing NM_000372
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCCTGGCTGTTTTGTACTGCCTGTGTGGAGTTCCAGACCTCCGCTGGCCATTTCCCTAGAGCCT
 GTGTCTCTCTAAGAACCCTGATGGAGAAGGAATGCTGTCCACCGTGGAGCGGGGACAGGAGTCCCTGTGG
 CCAGCTTTTCAGGCAGAGGTTCTGTGAGAATATCCTTCTGTCCAATGCACCACCTTGGGCCTCAATTTCCC
 TTCACAGGGGTGGATGACCGGGAGTCGTGGCCTTCCGTCTTTATAATAGGACCTGCCAGTGCTCTGGCA
 ACTTATGGGATTCAACTGTGGAACTGCAAGTTGGCTTTGGGGACAACTGCACAGAGAGACGACT
 CTTGGTGAGAAGAACATCTTCGATTTGAGTGCCCCAGAGAAGGACAAATTTTTGCCTACCTCACTTTA
 GCAAAGCATACCATCAGCTCAGACTATGTCATCCCATAGGGACCTATGGCCAAATGAAAAATGGATCAA
 CACCCATGTTTAAAGCATCAATATTTATGACCTCTTTGTCTGGATGCATTATTATGTGTCAATGGATGC
 ACTGCTTGGGGATCTGAAATCTGGAGAGACATTGATTTGCCCATGAAGCACCAGCTTTTCTGCCTTGG
 CATAGACTCTTCTTGTTCGGTGGGAACAAGAAATCCAGAAGCTGACAGGAGATGAAAATTCACATTC
 CATATTGGGACTGGCGGGATGCAGAAAAGTGTGACATTTGCACAGATGAGTACATGGGAGGTGACACCC
 CACAAATCCTAACTTACTCAGCCAGCATATTCTTCTCCTCTTGGCAGATTGTCTGTAGCCGATTGGAG
 GAGTACAACAGCCATCAGTCTTTATGCAATGGAACGCCCGAGGGACCTTACGGCGTAATCCTGGAACC
 ATGACAAATCCAGAACCCTAAGGCTCCCTCTTCAGCTGATGTAGAATTTGCCTGAGTTGACCAATA
 TGAATCTGGTTCATGGATAAAGCTGCCAATTTAGCTTTAGAAAACACTGGAAGGATTTGCTAGTCCA
 CTTACTGGGATAGCGGATGCCTCTCAAAGCAGCATGCACAATGCCTTGCACATCTATGATGGAACAA
 TGTCCCAGGTACAGGGATCTGCCAACGATCCTATCTTCTTCTTCCACTGCATTTGTTGACAGTATTTT
 TGAGCAGTGGCTCCGAAGGCACCGTCTCTTCAAGAAGTTTATCCAGAAGCCAATGCACCCATTGGACAT
 AACCGGAATCCTACATGGTTCCTTTTATACCACTGTACAGAAAATGGTATTTCTTTATTCATCCAAAG
 ATCTGGGCTATGACTATAGCTATCTACAAGATTCAGACCCAGACTCTTTTCAAGACTACATTAAGTCTTA
 TTTGGAACAAGCGAGTCGGATCTGGTATGGCTCCTTGGGGCGCGATGGTAGGGGCCGCTCCTACTGCC
 CTGCTGGCAGGGCTTGTGAGCTTGTGTGTCGTCACAAGAGAAAGCAGCTTCTGAAGAAAAGCAGCCAC
 TCCTCATGGAGAAAGAGGATTACCACAGCTTGATCAGAGCCATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCPPWSDRSPCGQLSGRGSCQNILLSNAPLGPQFP
 FTGVDRESWPSVFNRTQCQSGNFMGFNCGNCKFGFWGPNCTERRLLVRRNIFDLSAPEKDKFFAYLTL
 AKHTISSDYVIPIGTYGQMKNGSTPMFNDINIYDLFVWMHYVYSMDALLGGSEIWRDIDFAHEAPFLPW
 HRLFLLRWEQEIQKLTGDENFTIPYWDWRDAEKCDICTDEYMGQHPTNPPLLSPASFFSSWQIVCSRLE
 EYNHQSLSLNGTPEGPLRRNPGNHDKSRTPRLPSSADVEFCLSLTQYESGSMKAAANFSFRNTLEGFASP
 LTGIADASQSSMHNALHIYMGNTMSQVQGSANDPIFLLHHAFFVDSIFEQWLRHRPLQEVYPEANAPIGH
 NRESYMPVFIPLYRNGDFFISSKDLGYDYSYLQSDPDSFQDYIKSYLEQASRIWSWLLGAAMVGAULTA
 LLAGLVSLLCRHKRQQLPEEKQPLLMEKEDYHSLYQSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000372

ORF Size:

1587 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_000372.3</u>
RefSeq Size:	1964 bp
RefSeq ORF:	1590 bp
Locus ID:	7299
UniProt ID:	<u>P14679</u>
Cytogenetics:	11q14.3
MW:	60.39 kDa