

Product datasheet for **RC202170A1V**

Human Thymidine Phosphorylase (TYMP) (NM_001953) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Thymidine Phosphorylase (TYMP) (NM_001953) AAV Particle
Tag:	Myc-DDK
Symbol:	Thymidine Phosphorylase
Synonyms:	ECGF; ECGF1; hPD-ECGF; MEDPS1; MNGIE; MTDPS1; PDECGF; TP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202170 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCCTTGATGACCCCGGGAACCGGGCCCCACCCGCGCCTGGTGACTTCTCCGGGAAGGGAGCC
 AGGGACTTCCCGACCCTTCGCCAGAGCCCAAGCAGCTCCCGGAGCTGATCCGCATGAAGCGAGACGGAGG
 CCGCCTGAGCGAAGCGGACATCAGGGGCTTCGTGGCCGCTGTGGTGAATGGGAGCGCGCAGGGCGCACAG
 ATCGGGGCCATGCTGATGGCCATCCGACTTCGGGGCATGGATCTGGAGGAGACCTCGGTGCTGACCCAGG
 CCCTGGCTCAGTCGGGACAGCAGCTGGAGTGGCCAGAGGCCTGGCGCCAGCAGCTTGTGGACAAGCATT
 CACAGGGGGTGTGGGTGACAAGGTGAGCTGCTCGCACCTGCCCTGGCGGCATGTGGCTGCAAGGTG
 CCAATGATCAGCGGACGTGGTCTGGGGCACACAGGAGGCACCTTGATAAGCTGGAGTCTATTCTGGAT
 TCAATGTCATCCAGAGCCAGAGCAGATGCAAGTCTGCTGGACCAGGCGGGCTGCTGTATCGTGGGTCA
 GAGTGAGCAGCTGGTTCCTGCGGAAGGAATCCTATATGCAGCCAGAGATGTGACAGCCACCGTGGACAGC
 CTGCCACTCATACAGCCTCCATTCTCAGTAAGAACTCGTGGAGGGGCTGTCCGCTCTGGTGGTGGACG
 TTAAGTTCGGAGGGGCCCGCTTCCCAACCCAGGAGCAGGCCCGGGAGCTGGCAAAGACGCTGGTTGG
 CGTGGGAGCCAGCCTAGGGCTTCGGGTCGCGGCAGCGCTGACCCCATGGACAAGCCCCTGGGTCGCTGC
 GTGGGCCACGCCCTGGAGGTGGAGGAGGCGCTGCTCTGCATGGACGGCGCAGGCCCGCCAGACTTAAGGG
 ACCTGGTCAACCAGCTCGGGGGCGCCCTGCTCTGGCTCAGCGGACACGGGGGACTCAGGCTCAGGGCGC
 TGCCCGGGTGGCCGGCGCTGGACGACGGCTCGGCCCTTGCCCGCTTCGAGCGGATGCTGGCGGCGCAG
 GCGTGGATCCCGGTCTGGCCCAGCCCTGTGCTCGGGAAGTCCCGCAGAACCAGCCGCGAGCTGCTGCCTC
 CGCCCCGGGAGCAGGAGGAGCTGCTGGCGCCCCGAGATGGCACCCTGGAGTGGTCCGGGCGCTGCCGCT
 GGCGCTGGTGTGCACGAGCTCGGGGCCGGGCGCAGCCGCGCTGGGGAGCCGCTCCGCTGGGGGTGGGC
 GCAGAGCTGCTGGTGCAGTGGGACAGAGGCTGCGCCGTGGGACCCCTGGCTCCGCGTGCACCGGGACG
 GCCCGCGCTCAGCGGCCCGAGAGCCGCGCCCTGCAGGAGGCGCTCGTACTCTCCGACCAGCGGCCATT
 CGCCGCCCTCGCCCTTCGAGAGCTCGTCTGCCGCCGAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202170 protein sequence
 Red=Cloning site Green=Tags(s)

MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRDGGRLSEADIRGFVAAVVNGSAQGAQ
 IGAMLMAIRLRGMDLEETSVL TQALAQSGQQLWPEAWRQQLVDKHSTGGVGDVSLV LAPALAACGCKV
 PMISGRGLGHTGGTLDKLESIPGFNVIQSPEQMQLLDQAGCCIVGQSEQLVPAEGILYAARDVTATVDS
 LPLITASILSKKLVEGLSALVVDVKFGGAAVFPNQEQARELAKTLVGVGASLGLRVAAAL TAMDKPLGRC
 VGHAEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDGSALGRFERMLAAQ
 GVDPLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVRALPLALVHEL GAGRSRAGEPLRLGVG
 AELLVDVQQLRRGTPWLRVHRDGPALSGPQSRLQEALVLSRAPFAAPSPFAELVLPQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001953

ORF Size:

1446 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_001953.2</u>
RefSeq Size:	1667 bp
RefSeq ORF:	1449 bp
Locus ID:	1890
UniProt ID:	<u>P19971</u>
Cytogenetics:	22q13.33
MW:	50 kDa