

## Product datasheet for **RC225820A1V**

### Human Thymidine Phosphorylase (TYMP) (NM\_001113756) AAV Particle

#### Product data:

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



**ORF Nucleotide Sequence:** >RC225820 representing NM\_001113756  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAGCCTTGATGACCCCGGGAACCGGGCCCCACCCGCGCCTGGTGACTTCTCCGGGAAGGGAGCC  
 AGGGACTTCCCGACCCTTCGCCAGAGCCCAAGCAGCTCCCGAGCTGATCCGCATGAAGCGAGACGGAGG  
 CCGCCTGAGCGAAGCGGACATCAGGGGCTTCGTGGCCGCTGTGGTGAATGGGAGCGCGCAGGGCGCACAG  
 ATCGGGGCCATGCTGATGGCCATCCGACTTCGGGGCATGGATCTGGAGGAGACCTCGGTGCTGACCCAGG  
 CCCTGGCTCAGTCGGGACAGCAGCTGGAGTGGCCAGAGGCTGGCGCCAGCAGCTTGTGGACAAGCATT  
 CACAGGGGGTGTGGGTGACAAGGTGAGCCTGGTCTCGCACCTGCCCTGGCGGCATGTGGCTGCAAGGTG  
 CCAATGATCAGCGGACGTGGTCTGGGGCACACAGGAGGCACCTTGGATAAGCTGGAGTCTATTCTGGAT  
 TCAATGTCTCCAGAGCCAGAGCAGATGCAAGTGCTGCTGGACCAGCGGGCTGCTGTATCGTGGGTCA  
 GAGTGAGCAGCTGGTTCCTGCGGACGGAATCCTATATGCAGCCAGAGATGTGACAGCCACCGTGGACAGC  
 CTGCCACTCATCAGCCTCCATTCTCAGTAAGAACTCGTGGAGGGGCTGTCCGCTCTGGTGGTGGACG  
 TTAAGTTTCGAGGGGGCCCGCTCTCCCCAACAGGAGCAGGCCCGGGAGCTGGCAAAGACGCTGGTTGG  
 CGTGGGAGCCAGCCTAGGGCTTCGGGTGCGGCGAGCGCTGACCGCCATGGACAAGCCCTGGGTGCTGCG  
 GTGGGCCACGCCCTGGAGTGGAGGAGCGCTGCTCTGCATGGACGGCGCAGGCCCGCCAGACTTAAGGG  
 ACCTGGTCAACCACGCTCGGGGGCGCCTGCTCTGGCTCAGCGGACACGCGGGGACTCAGGCCAGGGCGC  
 TGCCCCGGTGGCCGCGCGCTGGACGACGCTCGGCCCTTGCCCGCTTCGAGCGGATGCTGGCGGCGCAG  
 GGCGTGGATCCCGTCTGGCCGAGCCCTGTGCTCGGGAAGTCCCGCAGAACGCCGGCAGCTGCTGCCTC  
 GCGCCCGGAGCAGGAGGAGCTGCTGGCGCCGAGATGGCACCCTGGAGCTGGTCCGGGCGCTGCCGCT  
 GGCGCTGGTGTGACGAGCTCGGGGCGGGCGCAGCCGCGCTGGGAGCGCGCTCCGCTGGGGGTGGGC  
 GCAGAGCTGCTGGTTCGAGTGGGTGAGAGCTGCGCCGTGGGACCCCTGGCTCCGCGTGCACCGGGACG  
 GCCCGCGCTCAGCGGCCCGCAGAGCCGCGCCTGCAGGAGCGCTCGTACTCTCCGACCGCGGCCATT  
 CGCCGCCCCCTCGCCCTTCGACAGCTCGTCTGCCGCCGACGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC225820 representing NM\_001113756  
 Red=Cloning site Green=Tags(s)

MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRGGRLSEADIRGFVAAVVNGSAQGAQ  
 IGAMLMAIRLRGMDLEETSVLTQALAQSGQQLWPEAWRQQLVDKHSTGGVGDVSLVLAPALAACGCKV  
 PMISGRGLGHTGGTLDKLESIPGFNVIQSPEQMQLLDQAGCCIVGQSEQLVPADGILYAARDVTATVDS  
 LPLITASILSKKLVEGLSALVVDVKFGGAAVFPNQEARELAKTLVGVGASLGLRVAAALTAMDKPLGRC  
 VGHAEVEEALLCMDGAGPPDLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDGSALGRFERMLAAQ  
 GVDPLARALCSGSPAERRQLLPRAREQEELLAPADGTVELVRALPLALVHELGAGRSRAGEPLRLGVG  
 AELLVDVGQRLRRGTPWLRVHRDGPALSGPQSRALQEALVLSRAPFAAPSPFAELVLPPQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM\_001113756

**ORF Size:** 1446 bp

**Buffer:** 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>       | <a href="#">NM_001113756.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq Size:</b>  | 1851 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1449 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 1890                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <a href="#">P19971</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 22q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>           | 50 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |