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Product datasheet for RC200519A1V

Human GFPT2 (NM_005110) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GFPT2 (NM_005110) AAV Particle
Tag:	Myc-DDK
Symbol:	GFPT2
Synonyms:	GFAT; GFAT 2; GFAT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

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ORF Nucleotide Sequence:

>RC200519 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCGGAATCTTTGCCTACATGAACTACAGAGTCCCCCGGACGAGGAAGGAGATCTTCGAAACCCTCA
TCAAGGGCCTGCAGCGGCTGGAGTACAGAGGCTACGACTCGGCAGGTGTGGCGATCGATGGGAATAATCA
CGAAGTCAAAGAAAGACACATTCAGCTGGTCAAGAAAAGGGGGAAAGTCAAGGCTCTCGATGAAGAACTT
TACAAACAAGACAGCATGGACTTAAAAGTGGAGTTTGAGACACACTTCGGCATTGCCCACACGCGCTGGG
CCACCCACGGGGTCCCCAGTGCTGTCAACAGCCACCCTCAGCGCTCAGACAAAGGCAACGAATTTGTTGT
CATCCACAATGGGATCATCACAAATTACAAAGATCTGAGGAAATTTCTGGAAAGCAAAGGCTACGAGTTT
GAGTCAGAAACAGATACAGAGACCATCGCCAAGCTGATTAAATATGTGTTCGACAACAGAGAAACTGAGG
ACATTACGTTTTCAACGTTGGTCGAGAGAGTCATTCAGCAGTTGGAAGGTGCATTCGCGCTGGTTTTCAA
GAGTGTCCACTACCCAGGAGAAGCCGTTGCCACACGGAGAGGCAGCCCCCTGCTCATCGGAGTCCGGAGC
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TCTGTAAGACACGGATGAAGAGGCTGGACAGCTCCGCCTGCCTGCATGCTGTGGGCGACAAGGCCGTGGA
ATTCTTCTTTGCTTCTGATGCAAGCGCTATCATAGAGCACACCAACCGGGTCATCTTCCTGGAGGACGAT
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GAAGGAGATCTTCGAACAGCCAGAATCAGTTTTCAATACTATGAGAGGTCGGGTGAATTTTGAAACCAAC
ACAGTGCTCCTGGGTGGCTTGAAGGACCACTTGAAGGAGATTCGACGATGCCGACGGCTCATCGTGATTG
GCTGTGGAACCAGCTACCACGCTGCCGTGGCTACGCGGCAAGTTTTGGAGGAACTGACTGAGCTTCCTGT
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TACCTGAGCTGATCAAGGAAGTGCTGTCTCTGGAGGAGAAGATCCACGACTTGGCCCTGGAGCTCTACAC
GCAGAGATCGCTGCTGGTGATGGGGCGGGGCTACAACTATGCCACCTGCCTGGAAGGAGCCCTGAAAATT
AAAGAGATAACCTACATGCACTCAGAAGGCATCCTGGCTGGGGAGCTGAAGCACGGGCCCCTGGCACTGA
TTGACAAGCAGATGCCCGTCATCATGGTCATTATGAAGGATCCTTGCTTCGCCAAATGCCAGAACGCCCT
GCAGCAAGTCACGGCCCGCCAGGGTCGCCCCATTATACTGTGCTCCAAGGACGATACTGAAAGTTCCAAG
TTTGCGTATAAGACAATCGAGCTGCCCCACACTGTGGACTGCCTCCAGGGCATCCTGAGCGTGATTCCGC
TGCAGCTGCTGTCCTTCCACCTGGCTGTTCTCCGAGGATATGACGTTGACTTCCCCAGAAATCTGGCCAA
GTCTGTAACTGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200519 protein sequence
Red=Cloning site Green=Tags(s)

MCGIFAYMNYRVPRTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVKKRGKVKALDEEL
YKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSDKGNEFVVIHNGIITNYKDLRKFLESKGYEF
ESETDTETIAKLIKYVFDNRETEDITFSTLVERVIQQLEGAFALVFKSVHYPGEAVATRRGSPLLIGVRS
KYKLSTEQIPILYRTCTLENVKNICKTRMKRLDSSACLHAVGDKAVEFFFASDASAIIEHTNRVIFLEDD
DIAAVADGKLSIHRVKRSASDDPSRAIQTLQMELQQIMKGNFSAFMQKEIFEQPESVFNTMRGRVNFETN
TVLLGGLKDHLKEIRRCRRLIVIGCGTSYHAAVATRQVLEELTELPVMVELASDFLDRNTPVFRDDVCFF
ISQSGETADTLLALRYCKDRGALTVGVTNTVGSSISRETDCGVHINAGPEVGVASTKAYTSQFISLVMFG
LMMSEDRISLQNRRQEIIRGLRSLPELIKEVLSLEEKIHDLALELYTQRSLLVMGRGYNYATCLEGALKI
KEITYMHSEGILAGELKHGPLALIDKQMPVIMVIMKDPCFAKCQNALQQVTARQGRPIILCSKDDTESSK
FAYKTIELPHTVDCLQGILSVIPLQLLSFHLAVLRGYDVDFPRNLAKSVTVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_005110

ORF Size: 2046 bp

Buffer: PBS with 0.001% Pluronic F5075

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: NM_005110.1

RefSeq Size: 3011 bp

RefSeq ORF: 2049 bp

Locus ID: 9945

UniProt ID: O94808

Cytogenetics: 5q35.3

MW: 76.9 kDa