

Product datasheet for **RC230342A1V**

Human BRIT1 (MCPH1) (NM_001172574) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human BRIT1 (MCPH1) (NM_001172574) AAV Particle
Tag:	Myc-DDK
Symbol:	MCPH1
Synonyms:	BRIT1; MCT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC230342 representing NM_001172574
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGGCCCATCCTGAAAGATGTAGTGGCCTATGTTGAAGTGTGGTCATCCAATGGAACAGAAAATT
 ATTCAAAGACATTTACAACACAGCTTGTGGATATGGGGCAAAGGTTTCAAAAACTTTAAACAAACAAGT
 AACTCACGTTATCTTCAAAGATGGCTACCAGAGCACTTGGGACAAAGCTCAGAAGAGAGCGTAAAGCTC
 GTTTCGGTGCTCTGGGTTGAAAAATGCAGGACAGCTGGAGCACACATTGATGAATCATTGTTCCCTGCAG
 CTAATATGAATGAACACTTATCAAGCCTAATTAACAAAAAACGTAATGTATGCAGCCCAAGGATTTTAA
 TTTTAAACACCAAGAAATGATAAGAGATTTTCAAGAAATTTGAGAAAATGGCTAAAGAGCTACAAAGG
 CAAAAACAAATCTAGATGATGATGTACCTATTCTCTTATTTGAATCTAATGGTTCATTAATATATACTC
 CCACAATTGAAATTAATAGTAGTCACCACAGCGCAATGGAGAAGAGATTACAAGAGATGAAGGAGAAAAG
 GGAAAACTTTCCCCACCTCTCCCAAATGATTCAGCAGTCTCATGATAATCCAAGTAACCTCTGTGT
 GAAGCACCTTTGAACATTTACGTGATACTTTGTGTTTCAGATGAATACTTTGCTGGTGGCTTACACTCAT
 CTTTGTATGATCTTTGTGGAACTCAGGATGTGGAAATCAGGAAAGGAAGTTGGAAGGATCCATTAATGA
 CATTAAAGTGATGTGTGATTTCTTCACTTGTATTGAAAGCAAATAATATTCATTATCACCATCTTTC
 ACTCACCTCGATAAATCAAGTCCTCAGAAATTTCTGAGTAATCTTTCAAAGGAAGAAATAAACTTGCAAA
 GAAATATTGCAGGTAAGTAGTCACCCCTCACCAAAAGCAGGCTGCAGGTATGTCTCAGGAGACGTTTGA
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 AGTTCCTCAGTAAAGAGAAAAAGAGTATCACATGGCTCCCATTCACCTCCGAAGGAAAAATGCAAGAGAA
 AGAGGAGCACCAGGAGATCTATCATGCCGAGGCTGCAGCTGTGCAGGTCCGAAGGCAGGCTGCAGCAGCT
 GGCGGGACCTGCCCTGGAGGCTCTAGCTGTGGGGAGTCTTCATATGATGACTATTTTACCTGATAAT
 CTTAAGGAAAGGTATTACAGAAATCTTCTCCTGAATCTCAGCTGCCATCAAGCCCTGCTCAGTTGAGCT
 GCAGAAGTCTTCTAAGAAGGAGAGAAACAGCATATTTGAAATGTCTGATTTTCTGCTTGGCAAAAA
 AACCAGAACAGTTGACATTACCAATTTACAGCAAAAACCATCTCCAGTCCTCGGAAAACCTGGAATGGT
 GAAGGCCGTGCAACTTCGAGTTGCGTGACTTCTGCCCTGAAGAAGCCCTAAGGTGTTGTAGACAGGCTG
 GGAAAGAAGACGCATGCCAGAGGGAATGGCTTTTCTTACACCATTGAGGACCTGCTCTTCCAAAAGG
 ACATGATGATGATTTAACTCCTTTGGAAGGAAGCCTTGAAGAAATGAAAGAAGCGGTTGGTCTGAAAAGC
 ACACAGAACAAAGGTACCACTTCCAAAATATCAAACTCCTCTGAAGGCGAAGCCAGAGTGAACATGAGC
 CATGTTTTATAGTTGACTGTAACATGGAGACGCTACAGAAGAGAAGGAAAACCTACCCGGAGGATACAG
 TGAAGTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAAPILKDVVAYVEVWSSNGTENYSKFTTQLVDMGAKVSKTFNKQVTHVIFKDGYSQSTWDKAQKRGVKL
 VSVLWVEKCRTAGAHIDESLFPAANMNEHLSSLIKKKRCKMPKDFNFKTPENDKRFQKFEKMAKELQR
 QKTNLDDVPIILLFESNGSLIYPTIEINSSHHSAMEKRLQEMKEKRENLSPTSSQMIQQSHDNPSNSLC
 EAPLNISRDTLCSDEYFAGGLHSSFDDLCGNSGCGNQERKLEGSINDIKSDVCISLVLKANNIHSSPSF
 THLDKSSPQKFLSNLSKEEINLQRNIAGKVTPHQQAAGMSQETFEKYRLSPTLSSTKGHLLIHSRPR
 SSSVKKRKRVS HSGSHSPPEKECKRKRSTRSIMPRLQLCRSEGRQLQHVAGPALEALSCGESSYDDYFSPDN
 LKERYSENLPESQLPSSPAQLSCRSLSKKERTSIFEMSDFSCVGKKTRTVDTNFTAKTISSPRKTGNG
 EGRATSSCVTSAPEEALRCCRQAGKEDACPEGNGFSYTIEDPALPKGHDDDLTPLEGSLEEMKEAVGLKS
 TQNKGTTSKISNSSEGEAQSEHEPCFIVDCNMETSTEEKENLPGGYS GSM

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001172574
ORF Size:	1830 bp
Buffer:	PBS with 0.001% Pluronic F9700
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_001172574.1, NP_001166045.1</u>
RefSeq ORF:	1833 bp
Locus ID:	79648
UniProt ID:	<u>Q8NEM0</u>
Cytogenetics:	8p23.1
MW:	68.3 kDa