

## Product datasheet for **RC201297A1V**

### Human Asparagine synthetase (ASNS) (NM\_001673) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Asparagine synthetase (ASNS) (NM_001673) AAV Particle
Tag:	Myc-DDK
Symbol:	Asparagine synthetase
Synonyms:	ASNSD; TS11
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC201297 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGTGGCATTGGGCGCTGTTGGCAGTGATGATTGCCTTTCTGTTCAAGTGTCTGAGTGTATGAAGA  
 TTGCACACAGAGGTCCAGATGCATTCCGTTTTGAGAATGCAATGGATACACCAACTGCTGCTTTGGATT  
 TCACCGGTTGGCGGTAGTTGACCCGCTGTTTGGAAATGCAGCAATTTCGAGTGAAGAAATATCCGATTTG  
 TGGCTCTGTTACAATGGTAAATCTACAACCATAAGAAGATGCAACAGCATTGAAATTTGAATACCAGA  
 CCAAAGTGGATGGTGAATAATCCTTCATCTTTATGACAAAGGAGGAATTGAGCAAACAATTTGTATGTT  
 GGATGGTGTGTTGCATTTGTTTACTGGATACTGCCAATAAGAAAGTGTTCCTGGGTAGAGATACATAT  
 GGAGTCAGACCTTTGTTAAAGCAATGACAGAAGATGGATTTTGGCTGTATGTTCAGAAGCTAAAGGTC  
 TTGTTACATTGAAGCACTCCGCGACTCCCTTTTTAAAAGTGGAGCCTTTCTTCCTGGACACTATGAAGT  
 TTTGGATTTAAAGCCAAATGGCAAAGTGCATCCGTGGAAATGGTTAAATATCATCACTGTCGGGATGTA  
 CCCCTGCACGCCCTCTATGACAATGTGGAGAACTCTTCCAGGTTTTGAGATAGAACTGTGAAGAACA  
 ACCTCAGGATCCTTTTTAATAATGCTGTAAAGAAACGTTTGATGACAGACAGAAGGATTGGCTGCCTTTT  
 ATCAGGGGGCTTGGACTCCAGCTTGGTTGCTGCCACTCTGTTGAAGCAGCTGAAAGAAGCCCAAGTACAG  
 TATCCTCTCCAGACATTTGCAATGGCATGGAAGACAGCCCCGATTTACTGGCTGCTAGAAAGGTGGCAG  
 ATCATATTGGAAGTGAACATTATGAAGTCTTTTTAACTCTGAGGAAGGCATTACGGCTCTGGATGAAGT  
 CATATTTTCTTGGAACTTATGACATTACAACAGTTCGTGCTTCAGTAGGTATGATTTTAAATTTCCAAG  
 TATATTCGGAAGAACACAGATAGCGTGGTGATCTTCTCTGGAGAAGGATCAGATGAACCTACGCAGGGTT  
 ACATATTTTTCAAGGCTCCTTCTCTGAAAAAGCCGAGGAGAGAGTGAAGGCTTCTGAGGGAACCT  
 CTATTTGTTTGGATGTTCTCCGCGCAGATCGAACTACTGCTGCCATGGTCTTGAAGTGAAGTCCCATTT  
 CTAGATCATCGATTTTCTTCTATTACTTGTCTCTGCCACCAGAATGAGAATTCCAAAGAAATGGGATAG  
 AAAACATCTCTCTGAGAGAGACGTTTGGAGATTCCAATCTGATACCCAAAGAGATTCTCTGGCGACCAAA  
 AGAAGCCTTCAGTGATGGAATAACTTCAGTTAAGAATTCCTGGTTTAAAGATTTTACAGGAATACGTTGAA  
 CATCAGGTTGATGATGCAATGATGGCAAATGCAGCCCAGAAATTTCCCTTCAATACTCCTAAAACCAAAG  
 AAGGATATTACTACCGTCAAGTCTTTGAACGCCATTACCCAGGCCGGGCTGACTGGCTGAGCCATTACTG  
 GATGCCAAAGTGGATCAATGCCACTGACCTTCTGCCCGCAGCTGACCCACTACAAGTCAGCTGTCAA  
 GCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201297 protein sequence  
 Red=Cloning site Green=Tags(s)

MCGIWFVGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHLAVVDPLFGMQPIRVKYPYL  
 WLCYNGEIYNHKKMQHFEFYQTKVDGEIILHL YDKGGIEQICMLDGVFAFVLLDTANKKVFLGRD  
 GVRPLFKAMTEGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNKVASVEMVKYHHC  
 RDPVPLHALYDNVEKLFPGFEIETVKNLRLILFNNAVKKRLMTDRRIGCLLSSGLDSSLVAATLLKQL  
 KEAQVQYPLQTF AIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSLIETDITTVRASV  
 GMYLISKYIRKNTDSVVIFSGEGSDEL TQGYIYFHKAPSPEKAEESERLLREL YLFDVLRADRTTAA  
 HGLELRVPLDHRFSSYYLSLPPEMRIPKNGIEKHLRET FEDSNLIPKEILWRPKEAFSDGITSVKNSW  
 FKILQEYVEHQVDDAMMANAAQKFPFNTPKTKEGYRQVFERHYGRADWL SHYWMPKWINATDPSARTL  
 THYKSAVKA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

ACCN:	NM_001673
ORF Size:	1683 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><a href="#">NM_001673.2</a></u>
RefSeq Size:	2084 bp
RefSeq ORF:	1686 bp
Locus ID:	440
UniProt ID:	<u><a href="#">P08243</a></u>
Cytogenetics:	7q21.3
MW:	64.4 kDa