

## Product datasheet for **RC230144A1V**

### Human Asparagine synthetase (ASNS) (NM\_001178076) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Asparagine synthetase (ASNS) (NM_001178076) 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:**

>RC230144 representing NM\_001178076  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAACAGCATTTTGAATTTGAATACCAGACCAAAGTGGATGGTGGAGATAATCCTTCATCTTTATGACA  
 AAGGAGGAATTGAGCAAACAATTTGTATGTTGGATGGTGTGTTTGCATTTGTTTTACTGGATACTGCCAA  
 TAAGAAAGTGTTCCTGGGTAGAGATACATATGGAGTCAGACCTTTGTTTAAAGCAATGACAGAAGATGGA  
 TTTTTGGCTGTATGTTTCAGAAGCTAAAGGTCTTGTACATTGAAGCACTCCGCGACTCCCTTTTTAAAG  
 TGGAGCCTTTTCTCCTGGACACTATGAAGTTTGGATTTAAAGCCAAATGGCAAAGTTGCATCCGTGGA  
 AATGGTTAAATATCATCACTGTCGGGATGTACCCCTGCACGCCCTCTATGACAATGTGGAGAACTCTTT  
 CCAGGTTTTGAGATAGAACTGTGAAGAACAACCTCAGGATCCTTTTTAATAATGCTGTAAGAAACGTT  
 TGATGACAGACAGAAGGATTGGCTGCCTTTTATCAGGGGGCTTGGACTCCAGCTTGGTTGCTGCCACTCT  
 GTTGAAGCAGCTGAAAGAAGCCCAAGTACAGTATCCTCTCCAGACATTTGCAATTGGCATGGAAGACAGC  
 CCCGATTTACTGGCTGTAGAAAGGTGGCAGATCATATTGGAAGTGAACATTATGAAGTCCTTTTAACT  
 CTGAGGAAGGCATTTCAGGCTCTGGATGAAGTCATATTTTCTTGAAACTTATGACATTACAACAGTTCCG  
 TGCTTCAGTAGGTATGTATTTAATTTCCAAGTATATTCGGAAGAACACAGATAGCGTGGTGTATCTTCT  
 GGAGAAGGATCAGATGAACCTACGCAGGGTTACATATATTTTACAAGGCTCCTTCTCCTGAAAAAGCCG  
 AGGAGGAGAGTGAGAGGCTTCTGAGGAACTCTATTTGTTTGTATGTTCTCCGCGCAGATCGAACTACTGC  
 TGCCCATGGTCTTGAAGTGAAGTCCCATTCTAGATCATCGATTTTCTCTATTACTTGTCTCTGCCA  
 CCAGAAATGAGAATCCAAAGAATGGGATAGAAAAACATCTCCTGAGAGAGACGTTTGAGGATCCCAATC  
 TGATACCCAAAGAGATTCTCTGGCGACCAAAGAAGCCTTCAGTGTGGAATAACTTCAGTTAAGAAATTC  
 CTGGTTTTAAGATTTTACAGGAATACGTTGAACATCAGGTTGATGATGCAATGATGGCAAATGCAGCCAG  
 AAATTTCCCTTCAATACTCCTAAAACAAAGAAGGATATTACTACCGTCAAGTCTTTGAACGCCATTACC  
 CAGGCCGGGCTGACTGGCTGAGCCATTACTGGATGCCCAAGTGGATCAATGCCACTGACCCTTCTGCCCG  
 CAGCTGACCCACTACAAGTCAGCTGTCAAAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230144 representing NM\_001178076  
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MQQHFEFEYQTKVDGEIILHLVDKGGIEQTIICMLDGVFAFVLLDTANKKVFLGRDYGVRPLFKAMTEDG  
 FLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNGKVASVEMVKYHHCARDVPLHALYDNVEKLF  
 PGFEIETVKNLRLILFNNAVKKRLMDDRRIGCLLSSGLDSSLVAATLLKQLKEAQVQYPLQTFAIGMEDS  
 PDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSLITYDITTVRASVGMYLISKYIRKNTDSVVIFS  
 GEGSDEL TQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRVPFLDHRFSSYYLSLP  
 PEMRIPKNGIEKHLRETFEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQEYVEHQVDDAMMANAAQ  
 KFPFNTPKTKEGYYRQVFERHYPRADWL SHYWPWKINATDPSARTLTHYKSAVKA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001178076

**ORF Size:**

1434 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>	<u><a href="#">NM_001178076.1</a></u>
<b>RefSeq ORF:</b>	1437 bp
<b>Locus ID:</b>	440
<b>UniProt ID:</b>	<u><a href="#">P08243</a></u>
<b>Cytogenetics:</b>	7q21.3
<b>MW:</b>	55.3 kDa