

## Product datasheet for **RC211817A1V**

### Human Aspartate beta hydroxylase (ASPH) (NM\_032466) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Human Aspartate beta hydroxylase (ASPH) (NM_032466) AAV Particle            |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | Aspartate beta hydroxylase                                                  |
| Synonyms:                 | AAH; BAH; CASQ2BP1; FDLAB; HAAH; JCTN; junctin                              |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >RC211817 representing NM_032466.<br>Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCAGTACCGAGGAGATCTGCGCCGCGATCGCC
ATGGCCAGCGTAAGAATGCCAAGAGCAGCGGCAACAGCAGCAGCAGCGGCTCCGGCAGCGGTAGCACG
AGTGCGGGCAGCAGCAGCCCCGGGGCCCGGAGAGAGACAAAGCATGGAGGACACAAGAATGGGAGGAAA
GGCGGACTCTCAGGAACCTCATTCTTCACGTGGTTTATGGTGATTGCATTGCTGGGCGTCTGGACATCT
GTAGCTGTCGTTTGGTTTGATCTTGTGACTATGAGGAAGTTCTAGGAAAAGTAGGAATCTATGATGCT
GATGGTGATGGAGATTTTGATGTGGATGATGCCAAAGTTTATTAGGACTTAAAGAGAGATCTACTTCA
GAGCCAGCAGTCCCGCCAGAAGAGGCTGAGCCACACACTGAGCCCGAGGAGCAGGTTCTGTGGAGGCA
GAACCCAGAAATATCGAAGATGAAGCAAAAGAACAATTCAGTCCCTTCTCCATGAAATGGTACACGCA
GAACATGTTGAGGGAGAAGACTTGCAACAAGAAGATGGACCCACAGGAGAACCACAACAAGAGGATGAT
GAGTTTCTTATGGCGACTGATGTAGATGATAGATTTGAGACCCTGGAACCTGAAGTATCTCATGAAGAA
ACCGAGCATAGTTACCACGTGGAAGAGACAGTTTCACAAGACTGTAATCAGGATATGGAAGAGATGATG
TCTGAGCAGGAAAATCCAGATTCAGTGAACAGTAGTAGAAGATGAAAGATTGCACCATGATACAGAT
GATGTAACATACCAAGTCTATGAGGAACAAGCAGTATATGAACCTCTAGAAAATGAAGGGATAGAAATC
ACAGAAGTAAGTCTCCCTGAGGATAATCCTGTAGAAGATTCACAGGTAATTGTAGAAGAAGTAAGC
ATTTTCTGTGGAAGAAGCAGGAAAGTACCACAGATACT
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;Peptide sequence encoded by RC211817<br/> Blue=ORF Red=Cloning site Green=Tag(s)</p> <p>MAQRKNAKSSGNSSSSGSGSGSTSAGSSSPGARRETKHGGHKNGRKGGLSGTSFFTFWMVIALLGWVTS<br/> VAVVWFDLVYEEVLGKLGIDYDADGDFDVEDDAKVLLGLKERSTSEPAVPPEEAEPHTEPEEQVPVEA<br/> EPQNIIDEAKEQIQSLLHEMVHAEHVEGEDLQQEDGPTGEPQQEDDEFLMATDVDDRFETLEPEVSHEE<br/> TEHSYHVEETVSQDCNQDMEEMMSEQENPDSEPVVEDERLHHDTDVTVQVYEEQAVYEPLENEGIEI<br/> TEVTAPPEDNPVEDSQVIVEEVSIKPVVEEQEVPPDT<br/> TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> <p>Recombinant protein using RC211817 also available, <a href="#">TP311817</a></p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_032466                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORF Size:         | 939 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:           | <a href="#">NM_032466.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:      | 2680 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq ORF:       | 942 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:         | 444                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt ID:       | <a href="#">Q12797</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cytogenetics:     | 8q12.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MW:               | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |