

## Product datasheet for **RC222594A1V**

### Human kynurenine 3 monooxygenase (KMO) (NM\_003679) AAV Particle

#### Product data:

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Product Type:             | AAV Particles                                                   |
| Product Name:             | Human kynurenine 3 monooxygenase (KMO) (NM_003679) AAV Particle |
| Tag:                      | Myc-DDK                                                         |
| Symbol:                   | kynurenine 3 monooxygenase                                      |
| Synonyms:                 | dj317G22.1                                                      |
| Mammalian Cell Selection: | None                                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                      |



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**ORF Nucleotide Sequence:**

>RC222594 representing NM\_003679  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTCATCTGTCATTCAAAGGAAAAAGTAGCTGTCATTGGTGGTGGCTTGGTTGGCTCATTACAAG  
 CATGCTTTCTTGCAAAGAGGAATTTCCAGATTGATGTATATGAAGCTAGGGAAGATACTCGAGTGGCTAC  
 CTTACACGCTGGAAGAAGCATTAACTTAGCCCTTTCTCATAGAGGACGACAAGCCTTGAAAGCTGTTGGC  
 CTGGAAGATCAGATTGTATCCCAAGGTATCCCATGAGAGCAAGAATGATCCACTCTCTTTAGGAAAAA  
 AGTCTGCAATTCCTATGGGACAAAGTCTCAGTATATTCTTTCTGAAGCAGAGAAAACTAAACAAGGA  
 TCTATTGACTGCTGCTGAGAAATACCCCAATGTGAAATGCACTTTAACCAAGGCTGTTGAAATGTAAT  
 CCAGAGGAAGGAATGATCACAGTCTGGATCTGACAAAGTCCCAAAGATGTCATTGTGACCTCATTG  
 TAGGATGTGATGGAGCCTATTCAACTGTCAGATCTCACCTGATGAAGAAACCTCGCTTTGATTACAGTCA  
 GCAGTACATTCCTCATGGGTACATGGAGTTGACTATTCCACCTAAGAACGAGATTATGCCATGGAACCT  
 AATTATCTGCATATTTGGCCTAGAAATACCTTTATGATGATTGCACCTCCTAACATGAACAAATCATTCA  
 CATGTACTTTGTTCATGCCCTTTGAAGAGTTTGAAAACTTCTAACAGTAATGATGTGGTAGATTTCTT  
 CCAGAAATACTTTCCAGATGCCATCCCTCTAATTGGAGAGAACTCCTAGTGCAAGATTTCTTCTGTTG  
 CCTGCCAGCCCATGATATCTGTAAAGTGCTCTTCATTTCACTTTAAATCTCACTGTGTACTGCTGGGAG  
 ATGCAGCTCATGCTATAGTGCCGTTTTTTGGGCAAGGAATGAATGCGGGCTTTGAAGACTGCTTGGTATT  
 TGATGAGTTAATGGATAAATTCAGTAACGACCTTAGTTTGTGTCTTCTGTGTTCTCAAGATTGAGAATC  
 CCAGATGATCACGCGATTTCCAGCCTATCCATGTACAATTACATAGAGATGCGAGCACATGTCAACTCAA  
 GCTGGTTCAATTTTTCAGAAGAATGGAGAGATTTCTTCATGCGATTATGCCATCGACCTTTATCCCTCT  
 CTATACAATGGTCACTTTTCCAGAATAAGATACCATGAGGCTGTGCAGCGTTGGCATTGGCAAAAAAG  
 GTGATAAAACAAAGGACTCTTTTTCTGGGATCACTGATAGCCATCAGCAGTACCTACCTACTTATACACT  
 ACATGTACCACGATCTTCTCTGCTTGAGAAGACCATGGAAGTGGATAGCTCACTTCCGGAATACAAC  
 ATGTTTCCCGCAAAGGCCGTGGACTCCCTAGAACAAATTTCAATCTCATTAGCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222594 representing NM\_003679  
 Red=Cloning site Green=Tags(s)

MDSSVIQRKKVAVIGGGLVGSQACFLAKRNFQIDVYEAREDTRVATFTRGRSINLALSHRGRQALKAVG  
 LEDQIVSQGIPMRARMHSLSGKKSAPYGTQSQYILSVSRENLNKDLLTAAEKYPNVKMHFNHRLKCN  
 PEEGMITVLGSDKVPKDVTCDLIVGCDGAYSTVRSHLMKKPRFDYSQQYIPHYGMELTIPPKNGDYAMEP  
 NYLHIWPRNTFMMIALPNMNSFTCTLFMPFEEFEKLLTSNDVVDFFQKYFPDAIPLIGEKLLVQDFLL  
 PAQPMISVKCSSFHFKSHCVLLGDAHAIVPFFGQGMNAGFEDCLVFDELMDFSNLCLPVSRLRI  
 PDDHAISDLSMYNIEMRAHVNSWFIFQKNMERFLHAIMPSTFIPLYTMVTFSRIRYHEAVQRWHWQKK  
 VINKGLFFLGSLIAISSTYLLIHYMSPRFLCLRRPWNWIAHFRNTTCFPAKAVDSLEQISNLISR

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_003679

**ORF Size:**

1458 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>NM_003679.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 4992 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1461 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 8564                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:   | <u>O15229</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 1q43                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:           | 55.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |