

## Product datasheet for **RC203174A1V**

### Human Glutathione Synthetase (GSS) (NM\_000178) AAV Particle

#### Product data:

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Product Type:             | AAV Particles                                               |
| Product Name:             | Human Glutathione Synthetase (GSS) (NM_000178) AAV Particle |
| Tag:                      | Myc-DDK                                                     |
| Symbol:                   | Glutathione Synthetase                                      |
| Synonyms:                 | GSHS; HEL-S-64p; HEL-S-88n                                  |
| Mammalian Cell Selection: | None                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                  |



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## ORF Nucleotide Sequence:

>RC203174 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGCCACCAACTGGGGAGCCTCTTGCAGGATAAACAGCAGCTAGAGGAGCTGGCACGGCAGGCCGTGG  
 ACCGGGCGCTGGCTGAGGGAGTATTGCTGAGGACCTCACAGGAGCCACTTCCTCGGAGGTGGTGAAGTA  
 TGCCCCATTACGCTCTTCCCTCACTGGTCCCACTGCTGCTGGAGCAAGCCTATGCTGTGAGATG  
 GACTTCAACCTGCTAGTGGATGCTGTGACGACAGACGCTGCTTCTGGAGCAAACTCTTCCAGACCA  
 TCAAACAGGATGACTTTACCGCTCGTCTCTTTGACATCCACAAGCAAGTCTAAAAGAGGGCATTGCCCA  
 GACTGTGTTCTGGGCTGAATCGCTCAGACTACATGTTCCAGCGCAGCGCAGATGGCTCCCGAGCCCTG  
 AAACAGATCGAAATCAACACCATCTCTGCCAGCTTTGGGGCCTGGCCTCCCGGACCCAGCTGTGCACC  
 GACATGTTCTCAGTGTCTGAGTAAGACCAAGAAGCTGGCAAGATCCTCTAATAATCCAGCAAGGG  
 ACTGGCCCTGGGAATTGCCAAAGCCTGGGAGCTCTACGGCTCACCAATGCTCTGGTGTACTGATTGCT  
 CAAGAGAAGGAAAGAAACATATTTGACCAGCGTGCCATAGAGAATGAGCTACTGGCCAGGAACATCCATG  
 TGATCCGACGAACATTTGAAGATATCTCTGAAAAGGGTCTCTGGACCAAGACCGAAGGCTGTTTGTGGA  
 TGGCCAGGAAATTGCTGTGGTTTACTTCCGGGATGGCTACATGCCTCGTCAGTACAGTCTACAGAATTGG  
 GAAGCAGCTCTACTGCTGGAGAGGTACATGCTGCCAAGTGCCAGACATTGCCACCCAGCTGGCTGGGA  
 CTAAGAAGGTGCAGCAGGAGCTAAGCAGGCCGGCATGCTGGAGATGTTGCTCCCTGGCCAGCCTGAGGC  
 TGTGGCCCGCTCCGCGCCACCTTTGCTGGCCTCTACTCACTGGATGTGGGTGAAGAAGGGGACCGGCC  
 ATCGCCGAGGCCCTTGTGCCCTAGCCGGTTTGTGCTAAAGCCCAGAGAGAGGGTGGAGGTAACAACC  
 TATATGGGGAGGAAATGGTACAGGCCCTGAAACAGCTGAAGGACAGTGAGGAGAGGGCCTCTACATCCT  
 CATGGAGAAGATCGAACCTGAGCCTTTTGAGAATTGCCTGCTACGGCCTGGCAGCCCTGCCCGAGTGGTC  
 CAGTGCATTTTCAGAGCTGGGCATCTTTGGGGTCTATGTCAGGCAGGAAAAGACACTCGTGATGAACAAGC  
 ACGTGGGGCATCTACTTGAACCAAGCCATCGAGCATGCAGATGGTGGTGTGGCAGCGGAGTGGCAGT  
 CCTGGACAACCCATACCCTGTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC203174 protein sequence  
 Red=Cloning site Green=Tags(s)

MATNWSLLQDKQLEELARQAVDRALAEVLLRTSSEVVSYPFTLFPSLVPSALLEQAYAVQM  
 DFNLLVDAVSQNAAFLEQTLSSITKQDDFTARLFDIHKQVLKEGIAQTVFLGLNRSDYMFQRSADGSPAL  
 KQIEINTISASFGLASRTPAVHRHVLVLSKTKEAGKILSNNPSKGLALGIAKAWELYGSPNALVLLIA  
 QEKERNIFDQRAIENELLARNIHVIRRTFEDISEKGLDQDRRLFVDGQEIADVYFRDGYMPRQYSLQNW  
 EARLLERSHAACPDIAITQLAGTKKVQELSRPGMLEMLLPQPEAVARLRATFAGLYSLDVGEEDQA  
 IAEALAAPSRFVLKPQREGGNNLYGEEMVQALKQLKDSEERASYILMEKIEPEPFENCLLRPGSPARV  
 QCISELGIFGVYRQKTLVMNKHVGHLLRTKAIEHADGGVAAGVAVLDNPYPV

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

## Species:

Human

## Serotype:

AAV-2

## ACCN:

NM\_000178

## ORF Size:

1422 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_000178.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 1918 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1425 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 2937                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:   | <u>P48637</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 20q11.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MW:           | 52.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |