

## Product datasheet for **RC200800A1V**

### Human MTX1 (NM\_198883) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | MTX1                       |
| Synonyms:      | MTX; MTXN                  |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:** >RC200800 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGCTGCTCGGGGACCCCCCGAGTCCCGCTCGGGACGAGCCCCAAGGGGCCCTGGAGCAGTACAG  
GCCACGTGCAGTTTGGCAAGAGCCCCAGACCTGGCCAGGCGCACAGACCCCGCTCTCCAGAGCCTGC  
CGCGCCTTCAGGGTTCGGGGCTCCACTTGGACGAGGCGCCGTGACTCTCCGAGGCGCGCCGGGCCGACA  
GCGCTGTCCCGCTACGTGGGCCACCTCTGGATGGGCCGGCGGCCCTCCCCGAGGCCCGCGGCCAG  
TCCCCCGCAGTTACGTGCCAGTCGGGCCAGAGAAGCCTCGCCTCCCCGGGGATCTCCCCAGGCCCCCT  
GACCGCAACGATCGGAGGGGCGGTGGCGGGGGCGGGCCAGGCAGGGGAGGGCAGAACACACAAGGAA  
GTGTTTCCGGGACAGAGGGTGGCAAGATGGCGGCGCCATGGAGCTGTTCTGCTGGTCAGGGGGCTGGG  
GGCTGCCGTCACTGGACCTGGACAGCCTGGCCGTGCTGACCTATGCCAGATTTACTGGTGCTCACTGAA  
GGTACACAAGATCAGCAACCCCTGGCAGAGCCCTTCAGGAACCTCGCCTGCCCTTCGGACCACTCATGGA  
GAGGTCACTCAGTTCCACACAAGATCATACCCACCTTCGAAAAGAGGTACATACTTTTGGATAGACA  
CCAAGAACCTACGTGGAAGTGACCCGGAAGTGGTATGCAGAGGCTATGCCCTTTCCCTCACTTCTCTCT  
GCCTGGCCGATGCAGCGGCAGTACATGGAACGGCTACAGCTGCTGACTGGGGAGCAGGCCTGAGGAC  
GAGGAAGAGCTGGAGAAGGAGCTGTACCGAGAGGCTCGGGAGTGTCTGACCCCTGCTCTCTCAGCGCCTGG  
GCTCTCAAAAGTTCTTTTGGAGATGCCCTGCCTCCTTGAGCGCCTTCGTCTTCAGCTACTTGGCCCT  
GCTGCTGCAGGCAAGCTGCCAGTGGGAAGCTGCAGGTCCACCTGCGTGGGCTGCACAACCTCTGTGCC  
TATTGTACCCACATTCTCAGTCTCTACTTCCCCTGGGATGGAGCTGAGGTACCAACGCAACGCCAGACAC  
CAGCAGGCCCAGAGACTGAGGAGGAGCCATACCGGCGCCGGAACAGATCCTATCTGTGCTGGCAGGACT  
GGCAGCCATGGTGGGTACGCTTGTCTCAGCGCATTGTCTCCATCCAGCGGGCAACGCCTGCTCGGGCC  
CCAGGCACCCGACCCCTGGGCATGGCTGAGGAGGATGAAGAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC200800 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MLLGPPRSPRSGTSPKGPWSSTGHVQFGKSPQTWPRRTPRSPPEAAPSGVRGSTWTRRRDSPRRAGPT<br/> ALSRYVGHLMGRRPPSPEARGPVPRSSAASRARRSLASPGISPGPLTATIGGAVAGGGPRQGRAEAHKE<br/> VFPGQRVGKMAAPMELFCWGGWGLPSVDLDSLAVLTYARFTGAPLKVHKISNPWQSPSGTLPALRTSHG<br/> EVISVPHKIITHLRKEVHTFWIDTKNYVEVTRKWYAEAMPFPLNFFLPGRMQRYMERLQLLTGEHRPED<br/> EEEELEKELYREARECLTLLSQRLGSQKFFFGDAPASLDAFVFSYLALLQAKLP SGKLVHRLRGLHNLCA<br/> YCTHILSLYFPWDGAEVPPQRQTPAGPETEEEPYRRRNQILSVLAGLAAMVGYALLSGIVSIQRATPARA<br/> PGTRTLGMAEEDDEE</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ACCN:</b>             | NM_198883                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ORF Size:</b>         | 1305 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>           | 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>NM_198883.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 1555 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>       | 1308 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 4580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>       | <u>Q13505</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>     | 1q22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 48 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |