

## Product datasheet for **RC207418A1V**

### Human MX1 (NM\_002462) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human MX1 (NM_002462) AAV Particle  |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | MX1                                 |
| Synonyms:                 | IFI-78K; IFI78; IncMX1-215; MX; MxA |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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## ORF Nucleotide Sequence:

>RC207418 representing NM\_002462  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGTTGTTTCCGAAGTGGACATCGAAAAGCTGATCCAGCTGCTGCATCCCACCCTCTATTACTGAATG  
 GAGATGCTACTGTGGCCAGAAAAATCCAGGCTCGGTGGCTGAGAACAACTGTGCAGCCAGTATGAGGA  
 GAAGGTGCGCCCTGCATCGACCTCATTGACTCCCTGCGGGCTCTAGGTGTGGAGCAGGACCTGGCCCTG  
 CCAGCCATCGCCGTATCGGGGACCAGAGCTCGGGCAAGAGCTCCGTGTTGGAGGCACTGTCAGGAGTTG  
 CCCTTCCAGAGGCAGCGGATCGTGACCAGATGCCCGCTGGTGTGAACTGAAGAACTTGTGAACGA  
 AGATAAGTGGAGAGGCAAGGTCAAGTACCAGGACTACGAGATTGAGATTTGCGATGCTTCAGAGGTAGAA  
 AAGGAAATTAATAAGCCAGAAATGCCATCGCCGGGAAGGAATGGGAATCAGTCATGAGCTAATCACCC  
 TGGAGATCAGCTCCCAGATGTCCGGATCTGACTCTAATAGACCTTCCTGGCATAACCAGAGTGGCTGT  
 GGGCAATCAGCCTGCTGACATTGGGTATAAGATCAAGACACTCATCAAGAAGTACATCCAGAGGCAGGAG  
 ACAATCAGCCTGGTGGTGGTCCCAAGTAAATGTGGACATTGCCACCACAGAGGCTCTCAGCATGGCCAGG  
 AGGTGGACCCCGAGGAGACAGGACCATCGGAATCTTGACGAAGCCTGATCTGGTGGACAAGGAAGTGA  
 AGACAAGGTGTGGACGTGGTGCAGAACCTCGTGTCCACCTGAAGAAGGTTACATGATTGTCAAGTGC  
 CGGGGCCAGCAGGAGATCCAGGACCAGCTGAGCCTGTCCGAAGCCCTGCAGAGAGAGAAGATCTTCTTTG  
 AGAACCACCATATTTAGGGATCTGCTGGAGGAAGGAAAGGCCACGGTTCCTGCTGGCAGAAAACT  
 TACCAGCGAGCTCATCACATATCTGTAAATCTCTGCCCTGTTAGAAAATCAAATCAAGGAGACTCAC  
 CAGAGAATAACAGAGGAGCTACAAAAGTATGGTGTGACATACCGGAAGACGAAAATGAAAAATGTTCT  
 TCCTGATAGATAAAATTAATGCCTTTAATCAGGACATCACTGCTCTCATGCAAGGAGAGGAACTGTAGG  
 GGAGGAAGACATTGCGCTGTTTACCAGACTCCGACACGAGTTCCACAAATGGAGTACAATAATTGAAAC  
 AATTTTCAAGAAGGCCATAAAATTTTGTAGTAAAAATCCAGAAATTTGAAATCAGTATCGTGGTAGAG  
 AGCTGCCAGGCTTTGTGAATTACAGGACATTTGAGACAATCGTGAAACAGCAAATCAAGGCACTGGAAGA  
 GCCGGCTGTGGATATGCTACACACCGTGACGGATATGGTCCGGCTTGCTTTCACAGATGTTTCGATAAAA  
 AATTTTGAAGAGTTTTTAACTCCACAGAACCGCAAGTCCAAATTTGAAGACATTAGAGCAGAACAG  
 AGAGAGAAGGTGAGAAGCTGATCCGCTCCACTTCCAGATGGAACAGATTGTCTACTGCCAGGACCAGGT  
 ATACAGGGGTGATTGCAGAAGGTGAGAGAGAGCTGGAAGAAGAAAAGAAGAAATCCTGGGAT  
 TTTGGGCTTTTCAATCCAGCTCGGCAACAGACTCTTCCATGGAGGAGATCTTTCAGCACCTGATGGCCT  
 ATCACCAGGAGGCCAGCAAGCGCATCTCCAGCCACATCCCTTTGATCATCCAGTTCTTCATGCTCCAGAC  
 GTACGGCCAGCAGCTTCAGAAGGCCATGCTGCAGCTCCTGCAGGACAAGGACACCTACAGCTGGCTCCTG  
 AAGGAGCGGAGCGACACCAGCGACAAGCGGAAGTTCTGAAGGAGCGGCTTGACGGCTGACGAGGCTC  
 GCGCCGGCTTGCCAGTTCCCCGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC207418 representing NM_002462<br/> <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLIDSLRALGVEQDLAL<br/> PAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLVNEDKWRGKVSQDYIEISDASEVE<br/> KEINKAQNAIAGEGMGISHELITLEISSRDVPLTLIDLPGITRVAVGNQPADIGYKIKTLIKKYIQRQE<br/> TISLVVPSNVDIATTEALSMQAEVDPEGDRITIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGVMIVKC<br/> RGQQEIQDQLSLSEALQREKIFFENHPYFRDLLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETH<br/> QRITEELQKYGVDPEDENEKMFFLIDKINAFNQDITALMQGEETVGEEDIRLFTRLRHEFHKWSTIEN<br/> NFQEGHKILSRKIQKFENQYRGRELPGFVNYRTFETIVKQKIKALEEPAVMDLHTVTDMVRLAFTDVSIIK<br/> NFEFFNLHRTAKSKIEDIRAEQEREKEKLIRLHFQMEQIVYCDQVYRGALQKVREKELEEEKKKSWD<br/> FGAFQSSSATDSSMEEIFQHLMAYHQEASKRISSHIPLIIQFFMLQTYGQQLQKAMLQLLDKDTYSWLL<br/> KERSDTSKRRKFLKERLARLTQARRRLAQFPG</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span></p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ACCN:</b>             | NM_002462                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ORF Size:</b>         | 1986 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F6060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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_002462.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq Size:</b>      | 2787 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq ORF:</b>       | 1989 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Locus ID:</b>         | 4599                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>       | <u><a href="#">P20591</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cytogenetics:</b>     | 21q22.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>               | 75.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |