

## Product datasheet for **RC225146A1V**

### Human PSMB5 (NM\_001130725) AAV Particle

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                  |
| Product Name:             | Human PSMB5 (NM_001130725) AAV Particle                                        |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | PSMB5                                                                          |
| Synonyms:                 | LMPX; MB1; X                                                                   |
| Mammalian Cell Selection: | None                                                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                     |
| ORF Nucleotide Sequence:  | >RC225146 representing NM_001130725<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGCTTGCCAGCGTGTGGAGAGACCGCTACCGGTGAACCAGCGCGGTTTTTCGGACTTGGGGTCT  
GTGCAGATCTGCTGGATCTAGGTCCAGGGAGTCTCAGTGATGGTCTGAGCCTGGCCGCGCCAGGCTGGGG  
TGTCACAGAGAGCCAGGAATCGAAATGCTTCATGGAACAACCACCCTGGCCTCAAGTTCGCCCATGGA  
GTCATAGTTGCAGCTGACTCCAGGGCTACAGCGGGTGTACATTGCCTCCAGACGGTGAAGAAGGTGA  
TAGAGATCAACCCATACCTGCTAGGCACCATGGCTGGGGCGCAGCGGATTGCAGCTTCTGGGAACGGCT  
GTTGGCTCGGCAATGTCGAATCTATGAGCTTCGAAATAAGGAACGCATCTCTGTAGCAGCTGCCTCCAAA  
CTGCTTGCCAACATGGTGTATCAGTACAAAGGCATGGGGCTGTCCATGGGCACCATGATCTGTGGCTGGG  
ATAAGAGAGGCCCTGGCCTCTACTACGTGGACAGTGAAGGGAACCGGATTTAGGGGCCACCTTCTCTGT  
AGGTTCTGGCTCTGTGTATGCATATGGGGTCATGGATCGGGGCTATTCTATGACCTGGAAGTGGAGCAG  
GCCTATGATCTGGCCGTCGAGCCATCTACCAAGCCACCTACAGAGATGCCTACTCAGGAGGTGCAGTCA  
ACCTCTACCACGTGCGGGAGGATGGCTGGATCCGAGTCTCCAGTGACAATGTGGCTGATCTACATGAGAA  
GTATAGTGGCTTACCCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC225146 representing NM_001130725</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MALASVLERPLPVNQRGFFGLGGRADLLDLGPGSLSDGLSLAAPGWGVPEEPGIEMLHGTTTLAFKFRHG<br/> VIVAADSRATAGAYIASQTVKKVIEINPYLLGTMAGGAADCSFWERLLARQCRIYELRNKERISVAAASK<br/> LLANMVYQYKGMGLSMGTMICGWDKRGPLYYVDSEGNRISGATFSVGSGSVYAYGVMDRGYSYDLEVEQ<br/> AYDLARRAIYQATYRDAYS GGAVNL YHVREDGWIRVSSDNVADLHEKYSGSTP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                                |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:             | NM_001130725                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ORF Size:         | 789 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_001130725.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq ORF:       | 483 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 5693                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:       | <u>P28074</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics:     | 14q11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:               | 28.48 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |