

## Product datasheet for **RC223288A1V**

### Human **SLC24A5 (NM\_205850)** AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | SLC24A5                    |
| Synonyms:      | JSX; NCKX5; OCA6; SHEP4    |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >RC223288 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCAGACAAAAGGGGGCCAAACATGGGCGAGAAGGGCTCTGTTGCTCGGCATCCTGTGGGCCACTGCAC  
 ATCTGCCTCTCTCAGGGACCTCCCTGCCCAACGTCTCCCAAGGGCCACAGGAAATAGCACCCAATGTGT  
 TATTTCTCCATCATCGGAGTTTCCCGAAGGGTTTTACAGGACAGGAGCGCAGAGATGGAGGCATCATA  
 ATCTATTTCTAATTATCGTTTACATGTTTCATGGCCATATCTATTGTCTGTGATGAATACTTCTACCCT  
 CCCTGGAAATCATCAGTGAATCCCTTGGATTGTCTCAGGATGTTGCAGGCACAACTTTCATGGCAGCGGG  
 CAGTTACAGCTCCTGAATTAGTTACTGCTTTCTAGGTGATTTATCACAAAGGGAGATATTGGCATTAGC  
 ACCATCCTTGGATCTGCAATTTATAATCTCCTTGGCATCTGTGCTGCCTGTGGTTTGTATCTAATACGG  
 TCTCAACACTATCATGTTGGCCCTATTACAGAGACTGTGCAGCGTACACAATTAGTGCAGCAGCAGTTCT  
 TGGTATAATATATGACAACCAAGTTTACTGGTATGAAGGGCTTTACTGCTTTTGATATATGGATTGTAT  
 GTTTTGGTGTGTGTTTTGACATTAATAAATTAACCAATATATTATAAAGAAATGCAGTCCTTGTGCGCCT  
 GTCTTGCCAAAGCTATGGAGAGAAGTGAACAACAGCCACTGATGGGCTGGGAAGATGAAGGTCAACCATT  
 CATTCGTGCGCAATCAAGAAGTATAGTGAATATTTATGAAGATTCTGGCTACTCTCAGCTCTCTATA  
 AGTTTACATGGCCTTAGTCAGGTTTCTGAAGATCCACCAAGTGTTCACATGCCTGAAGCAGACTTAA  
 AAAGAATTTTTTGGGTATTATCCCTTCTATTATTACATTACTTTTTCTAACACACACAGATTGTAGAAA  
 AAAGTTTTGGAAAACTACTTTGTGATAACCTTTTTCATGCTGCAATATGGATATCCGCATTTACATAT  
 ATCCTGGTTGGATGGTCAATAACTGGGAAACACTAGAAAATCCCGATACAGTAATGGGCCTTACTT  
 TATTAGCAGCAGGAACAAGCATACCAGACACAATTGCAAGTGTGTTGGTTGCAAGAAAAGGAAAGGAGA  
 TATGGCTATGTCTAACATCGTGGGATCCAATGTGTTTGATATGTTGTCCTTGGTATTCCATGGTTTATT  
 AAAACTGCATTTATAAATGGATCAGCTCCTGCAGAAGTAAACAGCAGAGGACTAACTTACATAACCATCT  
 CTCTCAACATTTCAATTATTTTTCTTTTTTAGCAGTTCACCTCAATGGCTGGAAACTAGACAGAAAGTT  
 GGGAATAGTCTGCCTATTATCATACTTGGGGCTTGCTACATTATCAGTTCTATATGAAC TTGGAATTATT  
 GGAAATAATAAAATAAGGGGCTGTGGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223288 protein sequence  
 Red=Cloning site Green=Tags(s)

MQTKGGQTWARRALLLILWATAHLPLSGTSLPQRLPRATGNSTQCVISPSSEFPEGFFTRQERRDGGII  
 IYFLIIIVYMFMAISIVCDEYFLPSLEIIISESLGLSQDVAGTTFMAAGSSAPELVTAFLGVFITKGDIGIS  
 TILGSAIYNLLGICAACGLLSNTVSTLSCWPLFRDCAAYTISAAAVLGIIYDNQVYWYEGALLLLIYGLY  
 VLVLCFDIKINQYIIKKSPCCACLAAMERSEQQPLMGWEDEGQPFIRRQSRDTSIGFYEDSGYSQLSI  
 SLHGLSQVSEDPSPVFNMPADLKRIFWVLSLPIITLLFLTPDCRKKFWKNYFVITFFMSAIWISAFY  
 ILVWMVTITGETLEIPDTVMGLTLAAGTSIPDTIASVLVARKGKGDMAINSIVGSNVFDMCLCLGPWFI  
 KTAFINGSAPAEVNSRGLTYITISLNISIIIFLAVHFNGWKLDRKLGIVCLLSYLGATLSVLVELGII  
 GNNKIRGCGG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:** Human  
**Serotype:** AAV-2  
**ACCN:** NM\_205850  
**ORF Size:** 1500 bp  
**Buffer:** 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>       | <a href="#">NM_205850.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>  | 1617 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1503 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 283652                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <a href="#">Q7IRS6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 15q21.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 54.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |