

## Product datasheet for **RC217911A1V**

### Human SEC23B (NM\_006363) AAV Particle

#### Product data:

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | AAV Particles                               |
| Product Name:             | Human SEC23B (NM_006363) AAV Particle       |
| Tag:                      | Myc-DDK                                     |
| Symbol:                   | SEC23B                                      |
| Synonyms:                 | CDA-II; CDAIL; CDAN2; CWS7; HEMPAS; hSec23B |
| Mammalian Cell Selection: | None                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                  |



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ORF Nucleotide  
Sequence:

>RC217911 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGACATACCTGGAGTTCATCCAGCAGAATGAAGAACGGGATGGTGTGCGTTTTAGTTGGAACGTGT  
GGCCTTCCAGCCGGCTGGAGGCTACAAGAATGGTTGTACCCCTGGCTTGTCTCCTTACTCCTTTGAAAGA  
ACGTCCAGACCTACCTCCTGTACAATATGAACCTGTGCTTTCAGCAGGCCAACTTGTAAGCTGTTCTC  
AACCCACTTTGTGAGGTTGATTATCGAGCAAACTTTGGGCTGTAAATTTCTGTTTTCAAAGAAATCAGT  
TTCCTCCAGCTTATGGAGGCATATCTGAGGTGAATCAACCTGCCGAATTGATGCCCCAGTTTTCTACAAT  
TGAGTACGTGATACAGCGAGGTGCTCAGTCCCCTCTGATCTTTCTCTATGTGGTTGACACATGCCTGGAG  
GAAGATGACCTTCAAGCACTCAAAGAGTCCCTGCAGATGTCCCTGAGTCTTCTCCTCCAGATGCTCTGG  
TGGGTCTGATCACATTTGGAAGGATGGTGCAGGTTTCATGAGCTAAGCTGTGAAGGAATCTCCAAAAGTTA  
TGTCTTCCGAGGGACCAAGGATTTAACTGCAAAGCAAAATACAGGATATGTTGGGCTGACCAAGCCAGCC  
ATGCCCATGCAGCAAGCACGACCTGCACAACCACAGGAGCACCCCTTTTGCTTCAAGCAGATTTCTGCAGC  
CTGTTCCAAAGATTGATATGAACCTCACTGATCTTCTTGGGGAGCTACAGAGGGACCCATGGCCAGTAAC  
TCAGGGGAAGAGACCTTTGCGATCCACTGGTGTGGCTTTGTCCATTGCTGTTGGCTTGTGGAGGCACT  
TTTCCAAACACAGGAGCCAGGATCATGCTGTTTACTGGAGGTCCCCCTACCCAAGGGCCTGGCATGGTGG  
TTGGAGATGAATTAAAGATTCTATTCGTTCTTGGCATGATATTGAGAAAGATAATGCACGATTCATGAA  
AAAGGCAACCAAGCACTATGAGATGCTTGCTAATCGAACAGCTGCAATGGTCACTGCATTGATATTTAT  
GCTTGTGCCCTTGATCAAACCTGGACTTTTGGAGATGAAGTGTGTGCAAACTTACTGGAGGCTACATGG  
TAATGGGAGATTCTTTCAACACTTCTCTCTTCAAGCAGACATTCCAAAGAATCTTACTAAAGATTTTAA  
TGGAGATTTCCGAATGGCATTGGTGCTACTTTGGACGTAAAGACCTCTCGGGAACCTGAAGATTGCAGGA  
GCCATTGGTCCATGCGTATCTCTGAATGTGAAAGGACTGTGTGTGTCAGAAAATGAGCTTGGTGTGGTG  
GCACGAGTCAGTGAAAATCTGTGGCTAGATCCTACATCTACACTTGGCATCTATTTTGAAGTTGTCAA  
TCAGCACAAACACCCCGATCCCCAAGGAGGCGAGAGGCCATCCAGTTTGTACGCATTATCAGCACTCC  
AGCACCCAGAGACGCATCCGCGTGACCACCATCGCCCGAAATGGGCAGATGTACAGAGTCAGCTCAGGC  
ACATAGAAGCAGCATTTGACCAGGAGGCTGCGGCAGTGTGATGGCACGGCTTGGGTGTTCCGAGCGGA  
GTCAGAGGAGGGGCCGATGTGCTCCGGTGGCTGGACCGACAACCTCATCCGACTGTGCAAAAGTTTGA  
CAGTATAACAAAGAAGACCCCACTTCTTTAGGTTATCAGATTCTTTTCTCTATATCCTCAGTTTATGT  
TCCATCTGAGAAGATCTCCATTTCTTCAAGTGTAAACAACAGTCCTGATGAGTCGTATATTACAGACA  
TCATTTTGGCCGGCAGGACCTGACCCAGTCCCTCATCATGATCCAGCCATTCTCTACTCTTACTCCTTT  
CATGGGCCACAGAGCCAGTACTCTTGATAGCAGCAGCATTCTAGCTGACAGAAATTTGCTGATGGATA  
CTTTCTTTCAAATTGTCATTTATCTTGGTGAGACCATAGCCAGTGGCGTAAAGCTGGCTACCAGGACAT  
GCCCAGTATGAAAACCTCAAGCACCTTCTGCAGGCACCACTGGATGATGCTCAAGAAATTTGCAAGCA  
CGCTTCCCGATGCCACGTTACATCAACACGGAGCATGGAGGCAGTCAGGCTCGATTCTTTTGTCCAAAG  
TGAACCATCTCAGACACACAATAACCTGTATGCTTGGGACAGGAACTGGAGCACCCATCCTAACTGA  
TGATGTTAGCCTGCAGGTGTTTCATGGACCATTGAAGAAGCTGGCTGTCTCCAGTGCCTGT

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC217911 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MATYLEFIQQNEERDGVRFSWNVWPSSRLEATRMVPLACLLTPLKERPDLPVQYEPVLC SRPTCKAVL<br/> NPLCQVDYRAKLWACNFCQRNQFPAYGGISEVNQPAELMPQFSTIEYVIQRGAQSPLIFLYVVDTCLE<br/> EDDLQALKESLQMSLSLLPPDALVGLITFGRMVQVHELSCGISKSYVFRGTDLTAKQIQDMLGLTKPA<br/> MPMQQARPAQPQEHFPAASSRFLQPVHKIDMNLTDLLGELQRDPWPVTQGKRPLRSTGVALSIAVGLLEGT<br/> FPNTGARIMLFTGGPPTQGGPMVVGDELKIPISWHDIEKDNARFMKKATKHYEMLANRTAANGHCIDIY<br/> ACALDQTGLLEMKCCANLTGGYVMGDSFNTSLFKQTFQRIFTKDFNGDFRMAFGATLDVKTSRELKIA<br/> AIGPCVSLNVKGLCVSENELGVGGTSQWKICGLDPTSTLGIYFEVVNQHNTPIPQGGGAIQFVTHYQHS<br/> STQRRIRVTTIARNWADVQSQLRHIEAAFDQEA AAVLMARLGVFRAESEEKPDVLRWLDRQLIRLCQKFG<br/> QYNKEDPTSFRLSDSFSLYPQFMHLRRSPFLQVFNNSPDESSYRHHFARQDLTQSLIMIPIILYSYSF<br/> HGPPPEPVLLDSSSILADRILLMDTFFQIVIYLGETIAQWRKAGYQDMPEYENFKHLLQAPLDDAQEILQA<br/> RFPMPRYINTEHGGSQARFLLSKVNPSQTHNNLYAWGQETGAPILTDDVSLQVFMHLLKLA VSSAC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>             | NM_006363                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ORF Size:</b>         | 2301 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F7765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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_006363.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>      | 3429 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq ORF:</b>       | 2304 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>         | 10483                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>       | <u>Q15437</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cytogenetics:</b>     | 20p11.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>               | 86.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |