

## Product datasheet for **MR207458A1V**

### Mouse Sox10 (NM\_011437) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Mouse Sox10 (NM_011437) AAV Particle
Tag:	Myc-DDK
Symbol:	Sox10
Synonyms:	Dom; gt; Sox21
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>MR207458 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGAGGAACAAGACCTATCAGAGGTGGAGCTGAGCCCTGTGGGCTCGGAGGAACCCCGCTGCCTGT  
 CCCAGGCAGCGCGCCGTCGCTGGGACCCGACGCGCGCGCGGTGGCTCGGGCTTGCAGCCAGCCCGGG  
 GCCCGGTGAAGTGGCAAGGTCAAGAAGGAACAGCAGGACGGCGAGGCGGACGATGACAAGTTCCCGGTG  
 TGCATCCGCGAGGCGGTGAGCCAGGTGCTCAGCGGCTACGACTGGACGCTGGTGGCCATGCCCGTGCAGC  
 TCAACGGTGCCAGCAAGAGCAAGCCGCACGTCAAGAGGCCATGAACGCCTTCATGGTGTGGCACAGGC  
 GGCACGCAGAAAGCTAGCCGACCAGTACCCTCACCTCCACAATGCTGAGCTCAGCAAGACACTAGGCAAG  
 CTCTGGAGTTGCTGAACGAAAGTGACAAGCGCCCTTCATTGAGGAGGTGAGCGGCTCCGGATGCAGC  
 AAAAAAGGACCATCCGGACTACAAGTACCAACCTCGGCGCGGAAGAACGGGAAGGCAGCCAGGGGGA  
 GGCAGAATGCCAGGCGGGGAAGCCGAGCAAGGAGGGGCTGCTGCTATTAGGCTCACTACAAGAGTGCC  
 CACCTGGACCACCGGCACCCAGAAGAAGGCTCCCCATGTCAGATGGGAACCCAGAGCACCCCTCAGGCC  
 AGAGCCATGGCCCCCAACCCCTCCAACCACCCCAAAGACAGAGCTGCAGTCCGGCAAGGCAGACCCCAA  
 AAGGGATGGGCGCTCCTTGGGGGAGGGCGGGAAGCCCCACATCGACTTCGGCAACGTGGACATCGGGGAG  
 ATCAGCCACGAGGTAATGTCCAACATGGAAACCTTTGATGTGACTGAGCTGGACCAATACCTGCCACCCA  
 ACGGGCACCCAGGCCATGTGGGTAGCTACTCGGCAGCTGGCTATGGGCTGGGCAGTGCCTGGCTGTGGC  
 CAGTGGACACTCTGCCTGGATCTCCAAGCCACAGGTGTGGCTCTGCCACGGTCTCGCCCCCTGGTGTG  
 GATGCCAAAGCCAGGTGAAGACAGAGACCACAGGCCCCAGGGACCCCACTACACCGACAGCCGT  
 CCACTCCCAGATCGCTACACCTCCCTCAGTCTGCCCACTACGGCTCCGCCTCCCTCCATCTCAGC  
 ACCCCAGTTTGACTATTCTGACCATCAGCCCTCAGGACCCTATTATGGCCATGCAGGCCAGGCCCTCTGGC  
 CTCTATTAGCCTTTTCTTACATGGGGCCCTCCAGCGGCCCTCTACACTGCCATCTCTGACCCAGCC  
 CCTCGGGGCCCAATCCACAGTCCACACACTGGGAGCAGCCAGTATATACACTCTATCCCGACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207458 protein sequence  
 Red=Cloning site Green=Tags(s)

MAEEQDLSEVELSPVGSEEPRLSPGSAPSLGPDGGGGGSLRASPGGELGKVKKEQQDGEADDDKFPV  
 CIREAVSQVLSGYDWTLVPMPVRVNGASKSKPHVKRPMNAFMVWAQAARRKLADQYPHLHNAELSKTLGK  
 LWRLNESDKRPFIEEAERLRMQHKKDHDPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGAAAIQAHYKSA  
 HLDHRHP EEGSPMSDGNPEHPSGQSHGPPPTPTPKTELSGKADPKRDGRSLGEGGKPHIDFGNVDIGE  
 ISHEVMSNMETFVTELDQYLPNGHPGHVGSYSAAGYGLGSALAVASGHSAWISKPPGVALPTVSPPGV  
 DAKAQKTETTGPQPPHYTDQPSTSQIAYTSLSLPHYGSAFPISIRPQFDYSDHQPSGPPYGHAGQASG  
 LYSAFSYMGPSQRPLYTAISDPSPSGPQSHSPHWEQPVYTTLSRP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

**ACCN:**

NM\_011437

**ORF Size:**

1401 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>	<u>NM_011437.1, NP_035567.1</u>
<b>RefSeq Size:</b>	2713 bp
<b>RefSeq ORF:</b>	1401 bp
<b>Locus ID:</b>	20665
<b>UniProt ID:</b>	<u>Q04888</u>
<b>Cytogenetics:</b>	15 37.7 cM
<b>MW:</b>	49.9 kDa

**Product images:**

□

Specificity validation of AAV particles with overexpression of the SOX10 gene (NM\_011437). 72 hours post transduction of HEK293T cells using SOX10 AAV particles, SOX10 gene expression (showed green) has been recognized by anti-DDK (FLAG) monoclonal antibody (Cat#: [TA50011-1], Dilution: 1:400).