

Product datasheet for **RC216421A1V**

Human QSOX2 (NM_181701) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human QSOX2 (NM_181701) AAV Particle
Tag:	Myc-DDK
Symbol:	QSOX2
Synonyms:	QSCN6L1; SOXN
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216421 ORF sequence, **codon optimized**.
 Due to the complexity of NM_181701, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGC**

ATGGCGGCAGCAGGTGCAGCCGTGGCTAGGTCTCCCGGCATAGGGGCTGGACCAGCACTGCGAGCAAGACGGTCCCCTCCCCTAGAGCTGCCAGGTTGCCTAGACTCTTGGTGTCTCGCAGCAGCAGCAGTGGGTCCGAGCAGGGGGGCGAGCAAGATTGTACAGGGCCGAGAAAGACGCCGTGGGTACTGGACAGCGGATCCGTTAGAGGGGCCACTGCCAATTCAGCGCCGCTTGGCTTGTGCAATTCTACAGCTCTGGTGCAGCCACTGTATAGCTACGCCCCACGTGGAGGGCCCTCGCTGGGGACGTAAAGGACTGGGCGTCAGCCATTAGAGTGGCCGCCCTCGATTGCATGGAAGAGAAAAACCAAGCCGTCTGCCATGATTACGATATTCACTTCTACCTACCTTCCGGTATTTTAAAGCATTCACCAAAGAGTTCACAACAGGCGAAAACTTTAAGGGGCCAGACAGGAGCTGCGCACCGTTTCGGCAGACAATGATAGATTTCTGCGAGAACCATAACCGAGGGATCCCGACACCGGCATGTCCAGGCTGGACCCGATTAACCCAGCGATGTGCTGAGCCTGTGGATAATCGCGGATCTCATTACGTGGCCATAGTGTTTGAATCTAATAGTAGCTACCTTGGCAGAGAAGTGATTCTCGACCTGATTCCTTACGAAAGCATGTTGTGACACGCGCACTTGACGGCGATAAAGCCTTCTGGAAAAGCTCGGAGTTTCTCTGTGCCATCTTGCTACTTGATTTATCCTAATGGGTCCCACGGGTGATCAACGTGGTAAAGCCCTGAGAGCATTTTTTTCTCTTATCTGAAGTCACTTCCTGATGTGAGAAAAAGTCCCTTCCATTGCCAGAGAAACCACATAAGGAGGAGAACAGTGAAATTGTGGTGTGGAGGGAATTCGATAAGTCAAACTGTACACGGTGGATCTCGAGTCCGGCCTCCATTATCTGCTGCGCGTGGAGCTGGCAGCACATAAGAGTCTGGCGGGCGCAGAGTTGAAGACTCTCAAGGATTTCTGACGGTATTGGCCAAGCTCTTCCCAGCAGACCTCTGTTAAAAAGCTGTGGAGATGCTGCAGGAGTGGTTGGCATCTCTGCCCTGGACCGAATCCCTATAACGCCGTGCTGGACCTGGTTAAACAATAAGATGAGAATTTCTGGGATCTTCTCACCACACATAAAGTGGGTGGGTGCCAGGGCTCACGCTCAGAGCTGCGCGCTACCCATGTTCCCTGTGAAAAGTGTTCACACTTTGACTGTAGAGGCCTCTACCCATCCAGACGATTGGTGGGGACAGGCTTCGAGGACGACCCCCAGGCAGTCTCCAGACTATGCGACGGTATGTGCACACCTTCTTCGGGTGCAAAGAATGTGGCGAGCACTTTGAAGAGATGGCCAAAGAGTCAATGGACAGCGTGAAAAACACCAGATCAGGCCATTTTGTGGCTGTGAAAAAGCATAATATGGTCAATGGACGGCTGGCCGGACATCTGAGCGAAGATCCTCGGTTTCTAACTGCAGTGGCCTACTCCGGACCTGTGTCTGCTGCCATGAGGAGATAAAGGGGCTTGCAAGCTGGGATGAAGGGCATGTTCTGACATCTTGAAACAACTACGGGAGAGATAATCTGCTCGATACCTACTCCGCAGACAGGGCGACAGCAGCGAAGGGGAACCCGGGCGGAGGCGAAGAGGAAGAGAAACGGCTTACACCCCTGAAGTGTCCACGGTGACCGCGACACACAGAGTGAAGACCACCTGGCGCTTGGGCCCCGCCAGCTCTCCCTGAGAGCCTGCATCATAGTTTGGACGGTAAGCTGCAGTCACTGGACGGACCGGGCGCACATAAAGAAGTGGGAGGAGCAGCGCCCTTTCTCGGTGTAGATTTTCTCTCTGGATATGAGCCTGTGCGTGGTTCTGTATGTAGCCTCCAGCCTGTTTCTCATGGTAATGTACTTTTCTTTCGAGTCAGATCACGCAGGTGGAAGGTTAAGCATCACACCCCGCGGTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC216421 representing NM_181701 Red=Cloning site Green=Tags(s) MAAAGAAVARSPGIGAGPALRARRSPPRAARLPRLLVLLAAAVGPGAGGAARLYRAGEDAVVWLDSGS VRGATANSSAOWLQFYSSWCGHCIAYAPTWRALAGDVRDASAIRVAALDCMEEKNAVCHDYDIHFYP TFRYFKAFKFTTGENFKGPDRELRTVRQTMIDFLQNHTEGSRPPACPRLDPIQPSDVLSLDNRGSHY VAIVFESNSSYLGREVLDLIPYESIVVTRALDGDKAFLEKLGVSVPSCYLIYPNGSHGLINVVKPLRA FFSSYLKSLPDVRKKSLPLPEKPHKEENSEIVVWREFDKSKLYTVDLESGLHYLLRVELAAHKSAGAEL KTLKDFVTLAKLFPGRPPVKLLEMLQEWLASPLDRIPYNAVLDLVNNKMRISGIFLTNHIKWVGCQG SRSELRGYPCLWKL FHTLTVEASTHPDALVGTGFEDDPQAVLQTMRRYVHTFFGCKEKGHEEEMAKES MDSVKTPDQAILWLWKKHNMVNGRLAGHL SEDPRFPKLQWPTPDLCPACHEEIKGLASWDEGHVLTFLKQ HYGRDNLDDTYSADQGSSEGGTLARGEEEKRLTPPEVSHGDRDTQSVRPPGALGPRPALPESLHHS LD GKLQSLDGPGAHKEVGGAAPFLGVDFSSLDMSLCVVLVYASSLFLVMYFFFRVRSRRWKVHHHPAV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_181701
ORF Size:	2094 bp
Buffer:	PBS with 0.001% Pluronic F7533
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:	NM_181701.2 , NP_859052.2
RefSeq Size:	4549 bp
RefSeq ORF:	2097 bp
Locus ID:	169714
UniProt ID:	Q6ZRP7
Cytogenetics:	9q34.3
MW:	77.5 kDa