

Product datasheet for **RC208007A1V**

Human NADPH oxidase 4 (NOX4) (NM_016931) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NADPH oxidase 4 (NOX4) (NM_016931) AAV Particle
Tag:	Myc-DDK
Symbol:	NOX4
Synonyms:	KOX; KOX-1; RENOX
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208007 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTGTGCTCCTGGAGGAGCTGGCTCGCCAACGAAGGGTTAAACACCTCTGCCTGTTTCATCTGGCTCT
 CCATGAATGTCCTGCTTTTCTGAAAACCTTCTTGCTGTATAACCAAGGGCCAGAGTATCACTACCTCCA
 CCAGATGTTGGGCTAGGATTGTGTCTAAGCAGAGCCTCAGCATCTGTTCTTAACCTCAACTGCAGCCTT
 ATCCTTTTACCCATGTGCCGAACACTCTTGCTTACCTCCGAGGATCACAGAAGGTTCCAAGCAGGAGAA
 CCAGGAGATTGTTGGATAAAAGCAGAACATTCCATATTACCTGTGGTGTACTATCTGTATTTTCTCAGG
 CGTGCATGTGGCTGCCATCTGGTGAATGCCCTCAACTTCTCAGTGAATTACAGTGAAGACTTTGTTGAA
 CTGAATGCAGCAAGATACCGAGATGAGGATCTAGAAAACCTTCTTTCACAACTGTTCTGGCCTGACAG
 GGGCTGTCATGGTGGTGGTGTCTATTCTCATGATCACAGCCTCTACATATGCAATAAGAGTTTCTAACTA
 TGATATCTTCTGGTATACTCATAACCTCTTCTTGTCTTCTACATGCTGCTGACGTTGCATGTTTCAGGA
 GGGCTGCTGAAGTATCAAACTAATTTAGATACCCACCCTCCCGGCTGCATCAGTCTTAACCGAACCAGCT
 CTCAGAATATTTCTTACCAGAGTATTTCTCAGAACATTTTCATGAACCTTTCCCTGAAGGATTTTCAAA
 ACCGGCAGAGTTTACCCAGCACAAATTTGTGAAGATTTGTATGGAAGAGCCAGATTCCAAGCTAATTTT
 CCACAGACTTGGCTTTGGATTCTGGACCTTTGTGCCTGTACTGTGCCGAAAGACTTTACAGGTATATCC
 GGAGCAATAAGCCAGTCACCATCATTTTCGGTCATAAGTCATCCCTCAGATGTCTGGAATCCGAATGGT
 CAAAGAAAATTTAAAGCAAGACCTGGTCAGTATATTACTCTACATTGTCCCAGTGTATCTGCATTAGAA
 AATCATCCATTTACCCCTACAATGTGTCCAACCTGAAACCAAGCAACATTTGGGGTTCATCTTAAATAG
 TAGGAGACTGGACAGAACGATTTTCGAGATTTACTACTGCCTCCATCTAGTCAAGACTCCGAAATTTCTGCC
 CTTTCATTCAATCTAGAAATTATCCCAAGCTGTATATTGATGGTCTTTTGGAAAGTCCATTTGAGGAATCA
 CTGAACATATGAGGTGAGCTCTGCGTGGCTGGAGGCATTGGAGTAACTCCATTTGCATCAATACTCAACA
 CCCTGTTGGATGACTGGAACCATACAAGCTTAGAAGACTATACTTTATTTGGGTATGCAGAGATATCCA
 GTCCTTCCGTTGGTTTGCAGATTTACTCTGTATGTTGCATAACAAGTTTTGGCAAGAGAACAGACCTGAC
 TATGTCAACATCCAGCTGTACCTCAGTCAAACAGATGGGATACAGAAGATAATTGGAGAAAAATATCATG
 CACTGAATTCAAGACTGTTTATAGGACGTCCTCGGTGGAACCTTTGTTTGTGAAATAGCAAAATATAA
 CAGAGGAAAAACAGTTGGTGTCTTCTGTTGTGGACCAATTCATATCCAAGACTCTTCATAAACTGAGT
 AACCAGAACAACATCATATGGGACAAGATTTGAATACAATAAAGAGTCTTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208007 protein sequence
 Red=Cloning site Green=Tags(s)

MAVSWRSLANEGVKHLCLFIWLSMNVLFWKTFLLYNQGPEYHYLHQLGLGLCLSRASASVLNLCNSL
 ILLPMCRTL LAYLRGSQKVPSSRRTRRLDKSRTHITCGVTICIFSGVHVAHLVNALNFSVNYSEDFVE
 LNAARYRDEDPRKLLFTVPGLTGVCMMVVLFLMITASTYAIRVSNYDIFWYTHNLFFVFYMLLTLHVSG
 GLLKYQTNLDTHPPGCISLNRSSQNLISLPEYFSEHFHEPPEGFSPKAEFTQHKFVKICMEEPFQANF
 PQTWLWISGPLCLYCAERLYRIRSNKPVTTISVISHPSDVMEIRMVKENFKARPGQYITLHCPVSVALE
 NHPFTLTMCPTETKATFGVHLKIVGDWTERFRDLLPPSSQDSEILPFIQSRNPKLYIDGPFSGPFEE
 LNYEVS LCVAGGIGVTPFASILNTLLDDWKPYKLRLYFIWVCRDIQSFRRFADLLCMLHNKFWQENRPD
 YVNIQLYLSQTDGIQKIIGEKYHALNSRLFIGRPRWKLLFDEIAKYNRGKTVGVFCCGPNLSKTLHKLS
 NQNNSYGTRFEYNKESFS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_016931
ORF Size:	1734 bp
Buffer:	PBS with 0.001% Pluronic F6186
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_016931.2</u>
RefSeq Size:	4459 bp
RefSeq ORF:	1737 bp
Locus ID:	50507
UniProt ID:	<u>Q9NPH5</u>
Cytogenetics:	11q14.3
MW:	66.9 kDa