

Product datasheet for **RR214060**

Nox3 (NM_001004216) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nox3 (NM_001004216) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nox3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214060 representing NM_001004216
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGACGTGCTGGATTTTGAACGAGAGTGTGTCTTCTGTTGCTCTCTTGTGGCTGGCAATAATA
 TCTATCTGTTTATTGACACGTTCTGCTGGTATGCTGAAGAGGAGTCTTTCTTTTATACACGAGTTATTCT
 GGGTCCGCATTGGCATGGGCCCGGCATCTGCCGTGTGCCTGAATTTTAACTGCATGCTAATTCTGTTA
 CCTGTCAGTCGGAACCTCGTTTCACTGGTGAAGGAAACGAGCGTGTGCTGTAGAGGACCGTGGAGACGGC
 AACTAGACAAAAACCTCAAGTCCACAAGCTCGTTGCCTACGGGATAGCTGTTAATTCAGTTATCCACAT
 TGTGGCACACTTGTCAACCTGGAGCGTTATCACCTGGTCAGGCCAAGGATGCTGAAGGGCTGCTGGCT
 GCGCTTCCAAACTTGGCAATGCCCAAATGAAAGCTACCTCAATCCGGTCCGCACCTTGTATACGGGTA
 CAACCACTCAGCTAATAATGACAGTCTCCGGAATTACTGGCCTGGTGTATCTCTGGCTTTGATATTGAT
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 TCCGGCTGCACAATGTCACCTTCTGCAGAGACCACTTCGACGAATGGCAGGAAGCTGCCTCGTGCCTGT
 ACCTCAATTTTCTGGCAAGGAGCCGTCCGCCTGGAAATGGACTTTGGCCCTGTGGTCTTGTATGCGTGT
 GAAATAATAATTAGGTTCTGGAGATCTACCAAGAAGTTGTCATTACCAAGTGGTGAAGTCAACCATCTG
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 TTACACTGGGATGAAAGTCTGGATGTGATTACAGGCTAAAGCAGAAGACCTTCTATGGCGACCCAAC
 GGAATGAGGAATCAAGCAGATTGCCTACAATCACCTAGCAGCAGCATTGGCGTGTCTCTGTGGACC
 CAAAGCCATGTCAAAGACTCTTCAAAGATGTCCGTTTGTACTCATCTCAGATCTAGGGCGTTCAT
 TTCTATTACAACAAGGAAAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MPTCWILNESVSFVVALLWLAINIYLFIDTFWCYAEESFFYTRVILGSALAWARASAVCLNFCMLILL
 PVSRLFVSLVRGTSVCCRPWRRQLDKNLKFKHLVAYGIAVNSVIHVAHLFNLERYHLGQAKDAEGLLA
 ALSKLGAPNESYLNVPVRLTYGTTTQLLMTVSGITGLVISLALILIMTSSTEFIRQSSYELFWYTHHIF
 IFLFISLAIHGGRIIRGQTPESLRLHNVTFCDHFDEWQEAASCPVPQFSGKEPSAWKWLGPVVLAC
 EIIIRFWRSHQEVVITKVVSHPSAVLELHMKKRDFKMAPGQYIFIQCPISPLEWHPFTLTSAPQEDFFS
 VHIRASGDWTEALLKAFGAEGQAPSELCSMPRLAVDGPFGGSLADVHFYHPVSVCIATGIGVTPFASLLKS
 VWYKCCESQSLPGLSKVYFYWICRDAAAFEFWADLLLLETQMSEQKAHLLSYHIYLTGWDEYQAIHIA
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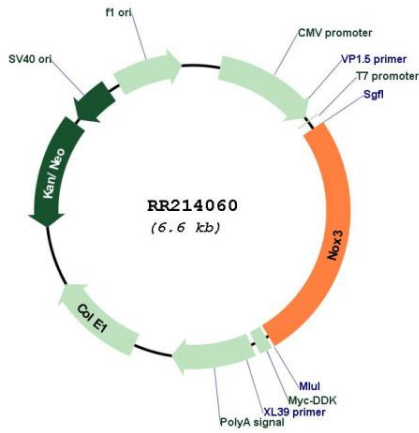
Restriction Sites:

Sgfl-MluI

MW: 64.4 kDa

Gene Summary: NADPH oxidase which constitutively produces superoxide upon formation of a complex with CYBA/p22phox. Plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR214060