

Product datasheet for **RN200990**

Noxa1 (NM_001100171) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noxa1 (NM_001100171) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Noxa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200990 representing NM_001100171
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTCTCTAGGGGATCAGATACGGGACTGGCACCGGGGCGTACTGGCCGTAGCACGCGAAGACTGGG
 ACTCTGCACTGTGCTTCTTTTCAGATGTCCGGGAGCCGCTGGCTAAGATGTACTTCAACATGGGCTGCGT
 GCACCTGATGGCAGGGGATCCCGAGGCTGCGCTGAGGGCATTGACCAAGCAGTGACCAAGGACACCTGC
 ATGGCTGTTGGCTTCTCCAGCGGGGAGTGGCCAATTTCCAGCTGCAGAGGCTCCAGGAGGCTGTGTCCG
 ACTTCCAGTTGGCCCTGGCACAGCTGAGGGGCAATGCTGCCATTGACTACACACAAGTGGTCTGGACTT
 CAAACTGCAAGCCTGGGAGTCTATATAACATGGCATCAGTGCAGTGCCAGGCAGGGCTCTGGACCAAG
 GCTGCCAATACTTAGTAGAAGCAATCTCAAACGGCCAGAGGGGGCCCAAGACACCTGGAGGCTGCCA
 TGGACAAAGTGCAGAAACAGGTACCACTGCAGCTGCGGCAAGTCCCAAGGGGGAGGTCTCCAGCCTCC
 TCGGCGATACCTGAAACATCTGGAGCCCATGGATTTCTCGGCAAGGCTAAGGTGGTGGCTTCTGTCATC
 CCTGATGACCACAAGCTCGGACATCCAGCCTCAGCAGAGCTCCAGGTGGAGCAAGCCGGCCTCCAGTCTG
 CCTCACCCGTGTGTAAGAGGGTCTGAGCACAAGGGGTGGTCACATGAGCCCTGGCCTATGGGACAGTTT
 GCTGGCAACTGGAGGGCCTGTCCCGGGCCCTCTGAAGATTCTCTAGTCTGAGGGAACAGCTACAAAAG
 GACCCTGAATCCTTGGTACTGTCACTGTGCAGTGCCACTTTACTGTGCCCTGAAGTCCCCAGAGGAA
 CTGACCTGTCCAGTTTTTCGGACTACTGTCTCAAGCTCTCCTCAGCAGACCCAGAAGGGGAGTTTCA
 CTCAAAGCCCGAGGAGAGGACAGAGCCTGGGTCCCCATCTCCACGGAGGACTCACTGCAGAGTGTATGG
 AGGAATGTCCAGTGAGCCCAAGAGGCTTGACAGTCCAGTGCCGGGGGGCCTGGGGCCGGCCAGTCTCT
 ACCAAGTGGTAGCTCAGTACGACTATCGTGCCCAAGGCGGAGGACTTGGACTTCCGCCAAGGGGACAC
 AGTGGATGTTCTGTGTGAAGTGGACGAAGCATGGCTGGAGGGACACCGAGATGGCCGTGTTGGTATTTTC
 CCCAAGTCTTTGTAGTCCAGCTGCCACCTGTGTGAAGCCCTGCCTGTACCTGAACCCAGCCAGGAG
 AACAGCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1674_e03.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001100171

Insert Size: 1341 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001100171.1](#), [NP_001093641.1](#)

RefSeq Size: 1378 bp

RefSeq ORF: 1341 bp

Locus ID: 311793

UniProt ID: [A7E3N7](#)

Cytogenetics: 3p13

Gene Summary: Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3 (By similarity).[UniProtKB/Swiss-Prot Function]