

## Product datasheet for **RG210426**

### **NOX1 (NM\_007052) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOX1 (NM_007052) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOX1
Synonyms:	GP91-2; MOX1; NOH-1; NOH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG210426 representing NM\_007052  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAAACTGGGTGGTTAACCACTGGTTTTTCAGTTTTGTTCTGGTTGTTGGTTAGGGCTGAATGTTT  
 TCCTGTTTGGGATGCCTTCTGAAATATGAGAAGGCCGACAAATACTACTACACAAGAAAAATCCTTGG  
 GTCAACATTGGCCTGTGCCCGAGCGTCTGCTCTGCTTGAATTTAACAGCACGCTGATCCTGTTCTCT  
 GTGTGTCGCAATCTGCTGTCTTCTGAGGGGCACCTGCTCATTTTGCAGCCGCACACTGAGAAAGCAAT  
 TGGATCACAACCTCACCTCCACAAGCTGGTGGCCTATATGATCTGCCTACATACAGCTATTACATCAT  
 TGCACACCTGTTAACTTTGACTGCTATAGCAGAAGCCGACAGGCCACAGATGGCTCCCTTGCTCCATT  
 CTCTCCAGCCTATCTCATGATGAGAAAAAGGGGGTCTTGGCTAAATCCCATCCAGTCCCGAAACAGCA  
 CAGTGGAGTATGTGACATTCACCAGCATTGCTGGTCTCACTGGAGTATCATGACAATAGCCTTGATTCT  
 CATGGTAACTTCAGCTACTGAGTTCATCCGGAGGATTTATTTGAAGTCTCTGGTATACTCACCACCTT  
 TTTATCTTCTATATCCTTGGCTTAGGGATTACCGCATTGGTGGAAATGTCCGGGGTCAAACAGAGGAGA  
 GCATGAATGAGAGTCATCCTCGCAAGTGTGCAGAGTCTTTTGAAGTGTGGATGATCGTGACTCTCACTG  
 TAGGCGCCCTAAGTTTGAAGGGCATCCCCCTGAGTCTTGGAAAGTGGATCCTTGCACCGGTCACTTTAT  
 ATCTGTGAAAGGATCCTCCGGTTTTACCCTCCAGCAGAAGGTTGTGATTACCAAGGTTGTTATGCACC  
 CATCCAAAGTTTTGGAATGCAGATGAACAAGCGTGGCTTCAGCATGGAAGTGGGCGAGTATATCTTTGT  
 TAATTGCCCTCAATCTCTCTCCTGGAATGGCATCCTTTACTTTGACCTCTGCTCCAGAGGAAGATTTCT  
 TTCTCCATTATATCCGAGCAGCAGGGGACTGGACAGAAAATCTATAAGGGCTTTTGAACAACAATATT  
 CACCAATTCCCAGGATTGAAGTGGATGGTCCCTTTGGCACAGCCAGTGGAGATGTTTTCCAGTATGAAGT  
 GGCTGTGCTGGTTGGAGCAGGAATGGGGTCCACCCCTTTGCTTCTATCTTGAATCCATCTGGTACAAA  
 TTCCAGTGTGCAGACCACAACCTCAAAAACAAAAAGATCTATTTCTACTGGATCTGCAGGGAGACAGGTG  
 CCTTTTCTGGTTCAACAACCTGTTGACTTCCCTGGAACAGGAGATGGAGGAATTAGGCAAAGTGGGTTT  
 TCTAAACTACCGTCTCTTCTCACCAGTGGGACAGCAATATTGTTGGTATGCAGCATTAACTTTGAC  
 AAGGCCACTGACATCGTGACAGGCTGAAACAGAAAACCTCCTTTGGGAGACCAATGTGGGACAATGAGT  
 TTTCTACAATAGCTACCTCCCACCCAAGTCTGTAGTGGGAGTTTTCTTATGTGGCCCTCGGACTTTGGC  
 AAAGAGCCTGCGCAAATGCTGTCACCGATATCCAGTCTGGATCCTAGAAAGTTCAATTCTACTTCAAC  
 AAAGAAAATTTT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG210426 representing NM\_007052  
 Red=Cloning site Green=Tags(s)

MGNWVNVHWFVSVLFLVWVWGLNVFLVVDVFLKYEKADKYYYTRKILGSTLACARASALCLNFNSTLILLP  
 VCRNLLSFLRGTCFSRTRLRQLDHNLFHKLVAYMICLHTAIHIIAHLFNFDYRSRQATDGLSLASI  
 LSSLSHDEKKGGSWLNPIQSRNTTVEYVFTSIAGLTGVIMTIALILMVTSAFERRSYFEVFWYTHHL  
 FIFYILGLGIHGIGGIVRGQTEESMNESHPRKCAESFEMWDDRDSDHRRPKFEGHPPESWKWILAPVILY  
 ICERILRFYRSQQKVVITKVMHPSKVLELQMNKRGSMEVGQYIFVNCPSISLLEWHPFTLSAPEEDF  
 FSIHIRAAGDWTENLIRAFEQQYSPIPIRIEVDGPFGTASEDVFQYEVAVLVGAGIGVTPFASILKSIWYK  
 FQCADHNLKTKKIYFYWICRETGAFSWFNLLTSLEQEMEELGKVGFLNYRFLFTGWDSNIVGHAALNFD  
 KATDIVTGLKQKTSFGRPMWDNEFSTIATSHPKSVVGVFLCGPRTLAKSLRKCCCHRYSSLDPKRVQFYFN  
 KENF

**TRTRPLE** – GFP Tag – V

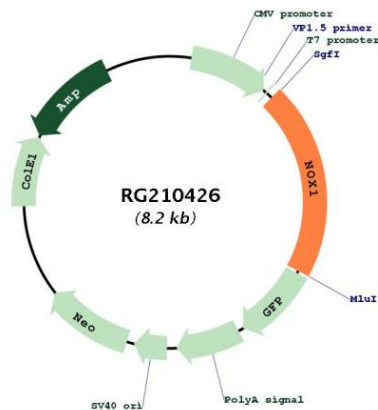
**Restriction Sites:**

Sgfl-MluI



**RefSeq:** [NM\\_007052.3](#), [NP\\_008983.1](#)  
**RefSeq Size:** 2612 bp  
**RefSeq ORF:** 1695 bp  
**Locus ID:** 27035  
**UniProt ID:** [Q9Y5S8](#)  
**Cytogenetics:** Xq22.1  
**Protein Families:** Druggable Genome, Ion Channels: Other, Transmembrane  
**Protein Pathways:** Leukocyte transendothelial migration  
**Gene Summary:** This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]

### Product images:



Circular map for RG210426