

Product datasheet for **SC202804**

NOX3 (NM_015718) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NOX3 (NM_015718) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NOX3
Synonyms:	GP91-3; MOX-2
ACCN:	NM_015718
Insert Size:	264 bp
Insert Sequence:	>SC202804 3'UTR clone of NM_015718 The sequence shown below is from the reference sequence of NM_015718. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CATTCTATTACAACAAGGAGAGCTTCTAGACTTTGGAGGTCAAGTCCAGGCATTGTGTTTTCAATCAA GTTATTGATTCCAAAGAAGTCCACCAGGAATTCCTGTGACGGCCTGTTGATATGAGCTCCAGTTGGGA ACTGGTGAATAATAATTAAGTATTGTGAACAGTACACTATACCATACTTCCTTAGCTTATAAATAACAT GTCATATACAACAGAACAAAAACATTTACTGAAATTAATAATATATTATGTTTCTCAA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_015718.3</u>



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Summary:

This gene encodes a member of the NOX family of NADPH oxidases. These enzymes have the capacity to generate superoxide and other reactive oxygen species (ROS) and transport electrons across the plasma membrane. The ROS generated by family members have been implicated in numerous biological functions including host defense, posttranslational processing of proteins, cellular signaling, regulation of gene expression, and cell differentiation. The protein encoded by this gene is expressed predominantly in the inner ear and is involved in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity.[provided by RefSeq, May 2009]

Locus ID: 50508

MW: 10.5