

## Product datasheet for **MR205276L3V**

### Noxo1 (NM\_027988) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Noxo1 (NM_027988) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Noxo1
Synonyms:	2310034C04Rik; hslt; P41NOX; P41NOXA; P41NOXB; P41NOXC; Snx28
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_027988
ORF Size:	1050 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205276).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_027988.4</a> , <a href="#">NP_082264.2</a>
RefSeq Size:	2239 bp
RefSeq ORF:	1050 bp
Locus ID:	71893
UniProt ID:	<a href="#">Q8VCM2</a>
Cytogenetics:	17 12.49 cM



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**Gene Summary:**

Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 1 in activating NOX3. Together with NOXA1, may also substitute to NCF1/p47phox and NCF2/p67phox in supporting the phagocyte NOX2/gp91phox superoxide-generating activity. [UniProtKB/Swiss-Prot Function]