

Product datasheet for **SC125516**

NLRX1 (NM_024618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLRX1 (NM_024618) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRX1
Synonyms:	CLR11.3; DLNB26; NOD5; NOD9; NOD26
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125516 sequence for NM_024618 edited (data generated by NextGen Sequencing)

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ATGAGGTGGGGCCACCATTTGCCAGGGCCTCTTGGGGCTCTGGTTTTAGAAGAGCACTC
CAGCGACCAGATGATCGTATCCCCTTCTGATCCACTGGAGTTGGCCCTTCAAGGGGAG
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CCCCACCCGGGAGGCATGGACGGCTGTTCCCCAGCGCCTCTGCAACTGAAGCTATACAG
CGGCACCCGGGAACCTGGCTGAGTGGTTCAGCCGGCTGCCAGGGAGGAGCGCCAGTTT
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CTGGCTGCCCTCTACATTGTGCTGGGTTTGCGCAAGACGACCCTGCAAAAAGGTGGGCAAG
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 GCCAAGCTGTGCCTCTGCGGGCTCTGCCTCTGCTCTTCAACCTGATCAAGGTGGTTCCA
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 GCGGAGTCCAGGGCCCTCCTGGAGCAGCTGGGAAGCTCTGGAAGTGA

Clone variation with respect to NM_024618.2
 1339 g=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024618 unedited
 ATAAACCCCGCCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
 CGAATTCGGCACGAGGGGACGATGGCGGGACGGGTGGCGCCGGGTTCCAGCCCTGCGCC
 TGCTCCGGAGCACCGGGCCCTCTCGCTGACCCCTCGTCCCAGGACCCCGCAGGCCCGA
 GTGCTGGGCTCGTCTCTTTCCGCGCCGCTGCCAGGACAGAAGTCGGTCTAGGCCCC
 CAGGCTCTGACCTTCTTTCCAGGATGAGGTGGGGCCACCATTTGCCAGGGCCTCTTG
 GGCTCTGGTTTTAGAAGGACTCCAGCGACCAGATGATCGTATCCCCTTCTGATCCAC
 TGGAGTTGGCCCTTCAAGGGGAGCGTCCCTTTGGCCCCCTAGGCCTTTATACGCCAC
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 CTGCACTTGAGCTTTCAGGGGACCGGCGGACCTGCTGATTGGTTACCCGCTGGCCAGGC
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 GCCGGTTCCTCCCGGCCCTGTTCCCTTTTACCCCCCTTTGGGTCCCGCGGCC
 CCGGGCTTATTGTCCGCGCCCTTCCCTTACCACCCGCCCCCAATGCCCTGTTCCCT
 TTCCCCCGTTTTTCCCTTCCCTCCCTCTTTTCCCCGGCCCTTCTCTTGGT
 CCCTCCCTCCCCCCCAATAT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024618 unedited CCATGGACATTGGNATGGCAACTTCCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGG ATGCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGT TTTTTTTTTTTTTTTTGGAAAGGCACACGGCTTTTTAATAGCAGCAAGTCAGGTGCATCT GCCTCGAGGGGCTACCAAGCCATCATACCATTGTGGCAAAGGGGGCATGAGGATGAGGAG AAAGCACCAATGTGAGGGCATCCTCGGTGTCCACAGGTGAGCATAAGGCAGGAGGGGAAG CTTCCAACACATCTGGATGGCGACACCCCTGGCATGGCAGACATAAGATGTGAGCCCTT GGTGACACAGTCAGAGGCTCTTTGAGAGGAGGGGAGGCAAGGTTGGTAGTGGTGCITCA GGGCACTCTGGCCATCCAATGCCACATGCTTTGGTCCTTCTAGCTGAATGGAGAGGAGG CATGTTCCATCTCCAAGCCGAAGCATTGATTCACCATCTTTAACTTGGAGATTCCAGA CTCAGTCTGGTCAAACATGCCCTAGGAGGGCAACTGGCTCAGCTATGCCCATTCCTCTG CCTCCAGACCTGAAGGAATCTTTCTAGAGGGAGCAGTGAAGCCAGGAGGCCACAGAGGG AAAAGGTTTAGGGCCAGTGGTCACATAGCTAGGTGCCTGCCGCCAGTGTCTCAGTTACA GAGTTCCAGCTGCTCCAGGAGGGCCCTGACCTCGCCCTCACTCGCAAGAAGTGGGGC CTTGCGCCAAGGATTAAGGTGGCACCCCGGCTATCTTCAAATCCCGAATATGAGCTC CAAGTGTGCTGAACCCGGGCCGATCCCGCTATTGAGGTTCCCTGCCTACTTACTTGAGA TCACG
Restriction Sites:	ECoRI-NOT
ACCN:	NM_024618
Insert Size:	4000 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:	<ol style="list-style-type: none"> 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_024618.2 , NP_078894.2
RefSeq Size:	3761 bp
RefSeq ORF:	2928 bp
Locus ID:	79671
UniProt ID:	Q86UT6
Cytogenetics:	11q23.3
Domains:	LRR, LRR_RI
Protein Pathways:	RIG-I-like receptor signaling pathway

Gene Summary:

The protein encoded by this gene is a member of the NLR family and localizes to the outer mitochondrial membrane. The encoded protein is a regulator of mitochondrial antiviral responses. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. All three variants encode the same protein.