

## Product datasheet for SC319211

### NMRAL1 (NM\_020677) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NMRAL1 (NM_020677) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMRAL1
Synonyms:	HSCARG; SDR48A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020677.2

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CTGGATTACACAACTCACTGTGCACGTGCCTGGGGCGGGCAAACCCGAAACGACGCC
GAGTCCCGCGGGATCCAGGAGGAGCCAACTGCGCCGGAGGAGGGGTTTCGGCCGACACGT
CGGGATTGGCGGCTGCAGCCAGGGGTCTCCGACGCTGGGCTTCCGTGAGCGGCGCTCTG
CCAGATCTCTGGACCGGATTCTGCTCCATTCTCGTCTCATGGTGGACAAGAACTGGTGG
TGGTTTTCGGAGGCACAGGTGCCAGGGTGGCTCCGTGGCCCGCACACTCTGGAAGATG
GGACATTCAAGGTTGAGTGGTGACCCGAAACCCTAGGAAGAAGGCAGCAAGGAGCTGA
GGCTGCAAGGTGCAGAAGTAGTGAGGGAGACCAAGATGACCAGGTGATCATGGAGCTGG
CCCTGAATGGGGCTTACGCCACCTTCATCGTGACCAATTACTGGGAGAGCTGCAGCCAGG
AGCAGGAGGTCAAGCAGGGGAAGCTGCTCGCTGATCTGGCCAGGCGCCTGGGCTCCACT
ATGTGGTCTACAGCGGCCTGGAGAACATCAAGAAGCTGACGGCAGGGAGATTGGCCGCCG
CGCACTTTGACGCAAAAGGGGAGGTGGAGGAATATTTCCGGGACATTGGCGTTCCCATGA
CCAGTGTGCGGGTGCCCTGCTATTTTGAGAACCTCCTCTCCCACTTCTTGCCCCAGAAAG
CCCCAGACGGAAGAGCTACTTGCTGAGCTTGCCACAGGTGACGTTCCCATGGATGGCA
TGTCCGTGTCTGACCTGGGTCTGTGGTGTCTAGCCTTTTGAAGATGCCAGAAAAATACG
TCGGCCAGAACATCGGGCTGAGCACTTGACGGCACACGGCCGAGGAGTACGCTGCCCTGC
TCACCAAGCACACCCGCAAGGTCGTGCACGATGCCAAGATGACTCCTGAGGACTACGAAA
AGCTTGGCTTTCCCGGTGCCCGGACCTGGCCAACATGTTCCGTTTCTATGCCCTGAGAC
CCGACCGTGACATCGAGCTGACCTGAGACTCAACCCCAAGGCCCTGACGCTGGACCAGT
GGCTGGAACAGCACAAAGGGGACTTCAACCTGCTGTGACCTGCCGCTCGCGGCCCTT
GTGGGGATCGGGGACACAGAGGGGCAGAGGCACCAACATCTGAATAAAGCCATTGTTCT
CCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_020677



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_020677.2</a></u> , <u><a href="#">NP_065728.1</a></u>
<b>RefSeq Size:</b>	1406 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	57407
<b>UniProt ID:</b>	<u><a href="#">Q9HBL8</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Gene Summary:</b>	<p>This gene encodes an NADPH sensor protein that preferentially binds to NADPH. The encoded protein also negatively regulates the activity of NF-kappaB in a ubiquitylation-dependent manner. It plays a key role in cellular antiviral response by negatively regulating the interferon response factor 3-mediated expression of interferon beta. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.</p>