

Product datasheet for **SC309943**

Nardilysin (NRDC) (NM_002525) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nardilysin (NRDC) (NM_002525) Human Untagged Clone
Tag:	Tag Free
Symbol:	NRDC
Synonyms:	hNRD1; hNRD2; NRD1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002525, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGGAGAGTCACTGTTGCTGCAGTCTGTGCCACCCGAGGAAGTTGTGTGAGGCC
GGGCGGGAGCTCGCGGCCTCTGGGAATCGAAACGCGGGGTCGGTGCGAAGACTCTGCT
GCTGCCAGACCCTTCTATTCTGGCCATGCCTGGAAGGAACAAGGCGAAGTCTACCTGC
AGCTGCCCTGACCTGCAGCCCAATGGACAGGATCTGGGCGAGAACAGCCGGGTTGCCCGT
CTAGGAGCGGATGAATCTGAGGAAGAGGGACGGAGGGGCTCTCAGTAATGCTGGGGAC
CCTGAGATCGTCAAGTCTCCAGCGACCCCAAGCAATACCGATACATCAAATTACAGAAT
GGCTTGCAAGCACTTCTGATTTCAAGACCTAAGTAATATGGAAGGTAACAGGAAATACA
ACAGATGATGAAGAAGAAGAGGAGGTGGAGGAAGAAGAAGATGATGATGAAGATTCT
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GAACATGATGATGATCTTGATACTGAGGATAATGAATTGGAAGAATTAGAAGAGAGAGCA
GAAGCTAGAAAAAACTACTGAAAAACAGCAATTGCAGAGCCTGTTTTGCTGTGGTCA
AAGCTGACTGATAGACTGTGGTTAAGTCAACTATTCAAAAATGCTTCAACCCCTGCTG
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CATTTGGCAGGATGGCAAGCGGAGGAGCAGCAGGGTAAAAGTACACAGTTCTGTCTGCA
CGGGCTTTTGTGTTGGAGTTGGGAGTTTCGCTGATCCAGATGACCTGCCGGGCTGGCA
CACTTTTTGAGCACATGGTATTCATGGGTAGTTTGAATATCCAGATGAGAATGGATTT
GATGCCTTCTGAAGAAGCATGGGGTAGTGATAATGCCTCAACTGATTGTGAACGCACT
GTCTTTCAGTTTATGATGTCAGAGGAAGTACTTCAAGGAAGCTCTTGATAGATGGGCGAG
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AGTGAATATCACTTGAAGGCCTTCTGATGCAAAACAGAAAGGAAATGTTGTTTGGAAAGC
CTTGCTAGACCTGGACATCCTATGGGAAAATTTTTGGGAAAATGCTGAGACGCTCAAG
CATGAGCCAAGAAAGAATAATATTGATACACATGCTAGATTGAGAGAATTCTGGATGCGT
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ATTCTTTCTTCTTAGGAAAAATGCTGGGCTCTTGCAGTGTGGTGGAAATGGTGAG
ACAGGATTTGAGCAAAATTTACTTATTAGTGTTCAGTGTTCAGCATTTCTATTACATTGACTGAT

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GAGGGTTATGAACATTTTTATGAGGTTGCTTACTGTCTTTTCAGTATTTAAAAATGCTG
 CAGAAGCTAGGCCAGAAAAAGAATTTTTGAAGAGATTCGAAAAATTGAGGATAATGAA
 TTTTCATTACCAAGAACAGACAGATCCAGTTGAGTATGTGGAAAACATGTGTGAGAACATG
 CAGCTGTACCCATTGCAGGACATTCTACTGGAGATCAGCTTCTTTTTGAATACAAGCCA
 GAAGTCATTGGTGAAGCCTTGAATCAGCTAGTTCTCATAAAAGCAAATCTGTTTTACTG
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 AAGGGTGATGCCAACTCTGAAGTCACTGTACTACCAGTCAGGTACCAGGAGTCAAGA
 GAATATACGCTTATGGAGCTGCTTGTGATGCACATGGAAGAACCTGTTTTGACTTCCTT
 CGAACCAAGCAGACCCTTGGGTACCATGTCTACCCTACCTGTAGGAACACATCCGGGATT
 CTAGGATTTTCTGTCACTGTGGGACTCAGGCAACCAAATACAATTCTGAAGTTGTTGAT
 AAGAAGATAGAAGAGTTTCTTTTAGCTTTGAGGAGAAGATTGAGAACCTCACTGAAGAG
 GCATTCACACCCAGGTACAGCTCTCATCAAGCTGAAGGAGTGTGAGGATACCCACCTT
 GGGGAGGAGGTGGATAGGAACTGGAATGAAGTGGTTACACAGCAGTACCTCTTTGACCGC
 CTTGCCACGAGATTGAAGCACTGAAGTCACTCTCAAAATCAGACCTGGTCAACTGGTTC
 AAGGCCATAGAGGGCCAGGAAGTAAAATGCTCAGCGTTCATGTTGTTGGATATGGGAAG
 TATGAACTGGAAGAGGATGGTACCCCTTCTAGTGAGGATTCAAATCTTCTTGTGAAGTG
 ATGCAGCTGACCTACCTGCCAACCTCTCCTCTGCTGGCAGATTGTATCATCCCCATTACT
 GATATCAGGGCTTTCACAACAACACTCAACCTTCTCCCCTACCATAAAATAGTCAAATAA

Restriction Sites:

Please inquire

ACCN:

NM_002525

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation:	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.
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:	<u>NM_002525.1</u> , <u>NP_002516.1</u>
RefSeq Size:	3851 bp
RefSeq ORF:	3660 bp
Locus ID:	4898
UniProt ID:	<u>O43847</u>
Cytogenetics:	1p32.3
Domains:	Peptidase_M16, Peptidase_M16_C
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>This gene encodes a zinc-dependent endopeptidase that cleaves peptide substrates at the N-terminus of arginine residues in dibasic moieties and is a member of the peptidase M16 family. This protein interacts with heparin-binding EGF-like growth factor and plays a role in cell migration and proliferation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>