

Product datasheet for **SC127902**

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:	Nardilysin
Synonyms:	hNRD1; hNRD2; NRD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002525, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGGAGAGTCACTGTTGCTGCAGTCTGTGCCACCCGGAGGAAGTTGTGTGAGGCCGGGCGGGAGC
TCGCGGCCTCTGGGGAATCGAAACCGGGGTCGGTGCGAAGACTCTGCTGCTGCCAGACCCCTTCTCTAT
TCTGGCCATGCCTGGAAGGAACAAGGCGAAGTCTACCTGCAGCTGCCCTGACCTGCAGCCCAATGGACAG
GATCTGGGCGAGAACAGCCGGTTGCCCGTCTAGGAGCGGATGAATCTGAGGAAGAGGGACGGAGGGGT
CTCTCAGTAATGCTGGGACCCTGAGATCGTCAAGTCTCCAGCGACCCCAAGCAATACCGATACATCAA
ATTACAGAATGGCTTGCAGGCACCTCTGATTTTCAGACCTAAGTAATATGGAAGGTAAAACAGGAAATACA
ACAGATGATGAAGAAGAAGAGGAGGTGGAGGAAGAAGAAGATGATGATGAAGATTCTGGAGCTGAAA
TAGAAGATGACGATGAAGAGGGTTTTGATGATGAAGATGAGTTTATGATGATGAACATGATGATGATCTTGA
TACTGAGGATAATGAATTGGAAGAATTAGAAGAGAGAGCAGAAGCTAGAAAAAACTACTGAAAAACAG
CAATTGCAGAGCCTGTTTTGCTGTGGTCAAAGCTGACTGATAGACTGTGGTTTAAAGTCAACTTATTCAA
AAATGTCTTCAACCTGCTGGTCGAGACAAGAAATCTTTATGGGGTAGTTGGAGCTGAAAGCAGGTCTGC
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GCGGCTCTTTGTGTTGGAGTTGGGAGTTTCGCTGATCCAGATGACCTGCCGGGCTGGCACACTTTTTGG
AGCACATGGTATTCATGGTAGTTTGAATATCCAGATGAGAATGGATTTGATGCCTTCTGAAGAAGCA
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TTCAAGGAAGCTCTTGATAGATGGGCGCAGTTCTTCATCCACCCACTAATGATCAGAGATGCAATTGACC
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GTTTGAAGCCTTGTAGACCTGGACATCCTATGGGAAATTTTTTGGGAAATGCTGAGACGCTCAAG
CATGAGCCAAGAAAGAATAATATTGATACATGCTAGATTGAGAGAATTCTGGATGCGTTACTACTCTT
CTCATTACATGACTTTAGTGGTTCAATCCAAAGAAACTGGATACTTTGGAAAAGTGGGTGACTGAAAT
CTTCTCAGATACCAACAATGGGTTACCCAGACCAACTTTGGCCATTTAACGGATCCATTTGACACA
CCAGCATTTAACAACTTTATAGAGTTGTTCCAATCAGAAAAATTCATGCTCTGACCATCAGATGGGCAC
TTCTCTCAACAGCAACATTACAGGTGAAGCCACTTCATTATATATCCTGGCTGGTTGGACATGAAGG

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CAAAGGCAGCATTCTTTCTTTCCTTAGGAAAAATGCTGGGCTCTTGCACTGTTTGGTGGAAATGGTGAG
 ACAGGATTTGAGCAAAATCTACTTATTAGTGTTCAGCATTCTATTACATTGACTGATGAGGGTTATG
 AACATTTTTATGAGGTTGCTTACTGTCTTTCAGTATTTAAAAATGCTGCAGAAGCTAGGCCAGAAAA
 AAGAATTTTTGAAGAGATTTCGAAAAATTGAGGATAATGAATTTTCATTACCAAGAACAGACAGATCCAGTT
 GAGTATGTGGAAAACATGTGTGAGAACATGCAGCTGTACCCATTGCAGGACATTCTACTGGAGATCAGC
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 CAAGCACAGAATCTATGGATTTCTGAAATATGTTGTTGACAACTAACTTCAAGCCTCTGGAGCAGGA
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 GTACCATGTCTACCCTACCTGTAGGAACACATCCGGGATCTAGGATTTCTGTCACTGTGGGACTCAG
 GCAACCAATAACAATTTCTGAAGTTGTTGATAAGAAGATAGAAGAGTTTCTTTCTAGCTTTGAGGAGAAGA
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 TACCCACCTTGGGGAGGAGGTGGATAGGAAGTGAAGTGGTTACACAGCAGTACCTCTTTGACCCG
 CTTGCCACGAGATTGAAGCACTGAAGTCACTCTCAAAATCAGACCTGGTCAACTGGTTCAAGGCCATA
 GAGGGCCAGGAAGTAAAAAGTCTAGCGTTCATGTTGTTGGATATGGGAAGTATGAACTGGAAGAGGATG
 TACCCCTTCTAGTGAGGATTCAAATTTCTTGTGAAAGTATGCAGCTGACCTACCTGCCAACCTCTCT
 CTGCTGGCAGATTGTATCATCCCATTACTGATATCAGGGCTTTCACAACAACACTCAACCTTCTCCCT
 ACCATAAAATAGTCAAATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002525 unedited
 TTCGAATTTTGAATACGACTACTATAGGGGCGCCGCGAATTCGCACCANATCGCTCC
 AGCTTGGTGGTGAATGCTGAGGAGAGTCACTGTTGCTGCAGTCTGTGCCACCCGGCGGAA
 GTTGTGTGAGGCCGGCGGGAGCTCGCGGCGCTCTGGGGAATCGAAACCGGGGTCTGGT
 CGAAGACTCTGCTGCTGCCAGACCCTTTCTATTCTGGCCATGCCTGGAAGGAACAAGGC
 GAAGTCTACCTGCAGCTGCCCTGACCTGCAGCCCAATGGACAGGATCTGGGCGAGAACAG
 CCGGGTTGCCCGTCTAGGAGCGGATGAATCTGAGGAAGAGGGACGGAGGGGTCTCTCAG
 TAATGCTGGGGACCCTGAGATCGTCAAGTCTCCAGCGACCCCAAGCAATACCGATACAT
 CAAATTACAGAATGGCTTGCAGGCACTTCTGATTTTCAAGCCTAAGTAATATGGAAGGTAA
 AACAGGAATACAACAGATGATGAAGAAGAAGAGGAGGTGGAGGAAGAAGAAGAGATGA
 TGATGAAGATTCTGGAGCTGAAATAGAAGATGACGATGAAGAGGGTTTTGATGATGAAGA
 TGAGTTTGTGATGAACATGATGATGATCTTGATACTGAGGATAATGAATTGGAAGAATT
 AGAGAGAGAGCAGAAGCCTAGAAAAAATACTGAAAACAGTCTGCAGCGGCTCTTTGTGT
 TGGAGTTTGGAGTTTCGCTGATCCAGATGACCTGGCGGGGCTGCACACTTTTTGGAGCAC
 ATGGTATTTCATGGGTAGGTTTGAATATTCCAGAGAAAAAGGAATTGATGCCCTTCTGAAA
 AAACATGGGGTAGTGATATTGCCCTAACTGGATGGTAACCCACTGTCTTTAGTTTGAGG
 TCAAAAGGAGTTCTTCAGGGAACTCTTGTAAATGGGGCCATTTT

Restriction Sites:

Please inquire

ACCN:

NM_002525

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.</p>
Components:	<p>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).</p>
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_002525.1 , NP_002516.1
RefSeq Size:	3851 bp
RefSeq ORF:	3660 bp
Locus ID:	4898
UniProt ID:	O43847
Cytogenetics:	1p32.3
Domains:	Peptidase_M16, Peptidase_M16_C
Protein Families:	Druggable Genome, Protease

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).