

## Product datasheet for **RN202832**

### **NIn (NM\_053970) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NIn (NM_053970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	NIn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202832 representing NM\_053970  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCACCTGTGCCTTCGACTCTGCGAGGCCCTCCACAGAGCTGGTGGCTCCAGGCTTCAGCTGACAA  
 TGACACTGGGAAAGGAGCTGGCTTCTCCTCTCAAGCTATGTCTTCTACTGCGGCTGGCAGGAATGT  
 TCTCAGATGGGACCTTTCTCCAGAGCAGATCAAGACGAGGACAGAGCAGCTCATAGCACAGACCAAGCAG  
 GTGTACGACACCGTGGGACAATCGCCCTGAAAGAAGTAACTTATGAGAACTGTCTGCAGGTGCTGGCTG  
 ACATAGAAGTGACGTACATAGTGAAAGGACCATGCTGGACTTCCCTCAGCACGTGTCATCTGACAGAGA  
 AGTGGCGGCTGCAAGCACAGAAGCAGACAAAAGGCTTTCTCGTTTTGATATTGAGATGAGCATGAGAGAA  
 GATGTGTTTCAGAGAATTGTTTCATTTACAAGAACATGCGATTTGGAGAAGATAAAGCCTGAAGCCAGGC  
 GATACTTGAAAAGTCAATTAATGGGAAAAGGAATGGACTCCATCTTTCAGAACACATAAGAAATGA  
 AATCAAAATCAATGAAGAAGAGAATGAGTGAGCTATGCATTGACTTCAACAAGAACCTCAATGAGGACGAC  
 ACTTCCCTTGTATTCTCCAAGGCTGAACCTTGGTGTCTTCTCTGATGACTTCAATTGACAGTTAGAAAAAA  
 CAGATGAAGACAAGTACAAAGTTACCTAAAGTATCCTCACTACTTCCCTGTCATGAAGAAATGCTGTGT  
 CCCTGAAACTCGAAGGAAGATGGAAATGGCTTTTCATACCAGGTGCAAACAGGAAAACACCGCAATTCTG  
 CAACAGCTCCTCCCGCTGCGAGCTCAAGTGCCCAAGCTGCTGGGCTATAACCCCATGCTGACTTTGTCC  
 TTGAACTGAACACTGCGAAGAGCACCAGCCGCTGGCCGCTTTCTAGATGATTTAAGCCAGAAATTGAA  
 ACCCTTGGGTGAGGCAGAACGGGAGTTTATTTGAGCCTGAAGAAGAAGGAATGTGAAGAGCGAGTTTT  
 GAATACGACGGGAAGATCAATGCATGGGACCTCCATTACTACATGACACAGACAGAGGAGCTCAAGTACT  
 CGGTGGACCAGGAGTCCCTTAAGGAGTACTTCCCATTGAGGTGGTCACGGAAGGCTTGTAAAGCATTA  
 CCAGGAGCTGCTGGGACTTTCATTTGAACAAGTGCCCGATGCTCATGTTTGAATAAAGAGCGTTTTCACTT  
 TACACTGTGAAGGATAAAGCTACAGGAGAGTCTGGGGCAGTTCTACCTGGACCTCTATCCAAGGGAAG  
 GAAAATACAACCATGCAGCCTGCTTCGGTCTCCAGCCAGGCTGCCTTCTCCCTGATGGCAGTCGGATGAT  
 GTCTGTGGCCGCTGGTGGTCAACTTCTCTCAGCCTGTAGCAGGTGGCCCTCTCTCTGAGACATGAT  
 GAAGTGGGACTTACTTCCACGAGTTCGGTACGTCATGCATCAGATCTGTGCGCAGACTGACTTTGCAC  
 GATTCAGTGAACAAACGTGAAACTGACTTTGTAGAGGTGCCATCACAATGCTTGAAACTGGGTGTG  
 GGACGTTGATCCCTGCGAAAACGTCAAAGCATTATAAAGATGGACACCCTATCACAGACGAGCTGCTC  
 GAGAAGCTTGTGCTTCTAGGCTGGTCAACACAGGTCTTCTGACGCTGCGCCAAATGTTTTGAGCAAAG  
 TTGACCAATCTCTCCATACCAATGCGACTCTGGATGCCGCGAGCGAATACGCTAAATACTGCACAGAAAT  
 TCTGGGAGTTGCAGCTACGCCAGGCACAAATATGCCAGCTACTTTTGGCACTTGGCAGGAGGGTATGAT  
 GGCCAATATTATGGATATCTTTGGAGTGAAGTGTTCATGGACATGTTTCACAGCTGTTTTAAAAAAG  
 AGGGGATCATGAATCCAGAGGTTGGAATGAAATACAGAACTTAATCCTGAAGCCTGGGGGTCCTGGA  
 CGGCATGGACATGCTCCAGAATTTCTTGAACGTGAGCCAAACAAAAAGCATTCTAATGAGTCGAGGC  
 CTGAATGGTTCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_053970

**Insert Size:** 2115 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).

<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_053970.2</a></u> , <u><a href="#">NP_446422.2</a></u>
<b>RefSeq Size:</b>	2705 bp
<b>RefSeq ORF:</b>	2115 bp
<b>Locus ID:</b>	117041
<b>UniProt ID:</b>	<u><a href="#">P42676</a></u>
<b>Cytogenetics:</b>	2q12
<b>Gene Summary:</b>	endopeptidase that cleaves bioactive and synthetic peptides [RGD, Feb 2006]