

## Product datasheet for **RN209415**

### Calr (NM\_022399) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calr (NM_022399) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Calr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209415 representing NM_022399 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTTTTCGGTGCCGCTCTGCTTGGCCTCCTCGGCCTGGCTGCCGAGACCCTGCCATCTATTTCA  
AAGAGCAGTTCTTGGACGGAGATGCCTGGACCAACCGCTGGTTCGAATCCAAACATAAGTCTGATTTTGG  
CAAATTCGTCCTCAGTTCTGGCAAATTCACGGGACCAGGAGAAGGATAAAGGGTTGCAGACAAGCCAA  
GATGCCCGATTTTACGCGCTGTCCGCCAGATTGCAACCCTTCAGCAACAAGGGCCAGACTGTTGGTAC  
AGTTCACCGTGAAGCATGAGCAGAATATCGACTGTGGGGCGGCTACGTGAAGCTGTTTCCGGGTGGCTT  
GGACCAGAAGGACATGCATGGAGACTCAGAATATAACATCATGTTTGGTCCGGACATCTGCGGCTCTGGC  
ACCAAGAAGGTTTCATGTCATCTTTAACTACAAGGGCAAGAACGTGCTGATCAACAAGGATATCCGGTGT  
AGGATGATGAATCACACATCTATACACGCTGATTGTGCGGCCAGACAACACCTACGAGGTGAAAATTGA  
CAACAGCCAGGTGGAGTCGGGCTCCTTGGAGGATGATTGGGACTTCTGCCGCCAAGAAGATTAAGGAT  
CCTGACGCTGCCAAGCCAGAAGACTGGGATGAACGAGCCAAGATTGATGACCCACAGATTCCAAGCCTG  
AGGACTGGGACAAGCCAGAGCACATCCCTGACCCTGATGCTAAGAAGCCTGAGGACTGGGACGAAGAGAT  
GGATGGAGAGTGGGAACCAAGTGAATCAAAATCCTGAATACAAGGGCGAATGGAAGCCACGTCAAATT  
GACAACCCAGATTACAAGGTACCTGGATACCCAGAGATTGACAATCCTGAATACTCCCCGATGCGA  
ATATCTATGCCTATGATAGTTTTGCTGTACTGGGCTTAGACCTCTGGCAGGTCAAGTCTGGCACAATTTT  
TGACAACCTCCTCATACCAATGATGAGGCCTATGCAGAGGAGTTTGGCAATGAGACCTGGGGTGTCAAC  
AAGGCTGCAGAGAAGCAGATGAAGGACAAGCAGGATGAGGAGCAGAGGCTTAAGGAAGAAGAAGAAGACA  
AGAAGCGTAAAGAGGAAGAGGAGGCCGAGGATAAAGAGGATGAGGATGACAGAGATGAAGATGAAGATGA  
AGAGGATGAGAAGGAAGAAGATGAGGAGGATGCCACTGGCCAAGCCAAGGATGAGCT**GTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_022399
<b>Insert Size:</b>	1251 bp
<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>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>	<a href="#">NM_022399.2</a> , <a href="#">NP_071794.1</a>
<b>RefSeq Size:</b>	1865 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	64202
<b>UniProt ID:</b>	<a href="#">P18418</a>
<b>Cytogenetics:</b>	19q11
<b>Gene Summary:</b>	Ca(2+)-binding molecular chaperone that promotes folding of proteins carrying N-linked glycans [RGD, Feb 2006]