

## Product datasheet for **RR208735**

### Calr3 (NM\_001012212) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calr3 (NM_001012212) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Calr3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208735 representing NM_001012212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCCGGGCTCGCGTGTGCTCTGGGCCATCTGCGTGTGCGCGTGGCACTGGCCACTGTATACTTCC  
AGGAGGAGTTTCTAGACGGAGAGCGCTGGAGAACCGCTGGTGTCAGTCCACCAATGACTCCCAGTTCGG  
GCACTTCCGAGTCTCATCGGGAAAGTTCTATGGGCATAAAGAGAAAGACAAAGGCCTGCAGACCACCCAG  
AACAGCCGATTCTACCCATCTCTGCAAGCTTCAAGCCATTTCAGCAACAAAGGAAGACCCCTGGTAAATCC  
AGTACACGGTGAAGCATGAGCAGAAGATCGACTGTGGCGGTGGCTACATCAAGGTCTTCCCGTCTGACCT  
GGATCAGAAGAATCTGAATGAAAGTCCCAATACTACATCATGTTTGGACCTGATATCTGTGGATTTGAT  
ATCAAGAAAGTTCATGTTATCTTATATTCAAGAATCAATATCATGAAAAAAGAAGTCGATCAGATGCA  
AGGTGGATGGCTTACGCATCTTACACCCTGATCTTAAGGCCAGATCTTCTTATGAGGTAAAAGTCGA  
TGGCCAGTCCATCGAGTCTGGCAGCATTGAGTATGACTGGAACCTGACATCGCTGAAGAAAATGGAAAA  
ACATCACTGGAGTCTAGGGACTGGGATGAGGTGGAAGGTAACAAAGCCCAGGACTGGGAAAAGCACTTTC  
TGGATGCCGGTCCCAGCAAGCCAAGCGACTGGAACAGTGAGCTGGATGGGGACTGGCTGCAGAAGCCACC  
ATACGAGGATGGCCTGAAAGCTGAGGGCATCGACAAGGACGTGTGGCTCCACCAGAAGATGAGGCCCGCT  
GGTACCTGACGCAGTATGACCTCTCAGAGTTTGAGAATCGGGCCATTGGTCTGGAGCTGTGGCAGG  
TGAGATCTGGAACCATCTTTGATAAATTCTGATCACAGATGATGAAGAATACGCAGAGAAGTTTGGCAA  
GGCCACCTGGGGGAAACTAAGGTCAGAAAAGGAGATGGATGCCATACAGGCCAAGGAAGAAGTAAAA  
AAAGCCCAGAGGAAGATGAGGATCTGCTGATGGGGAAGTTTACAGGCACAACCATTTTCAGCAGATTCC  
ATAGGCAGGGCGAACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208735 representing NM\_001012212  
 Red=Cloning site Green=Tags(s)

MVRARVSLWAICVLRVALATVYFQEEFLDGERWRNRWVQSTNDSQFGHFRVSSGKFGYGHKEKDKGLQTTQ  
 NSRFYAISASFKPFSNKGKTLVIQYTVKHEQKIDCGGGYIKVFPDLDQKNLNGKSQYYIMFGPDICGFD  
 IKKVHVILYFKNQYHENKKSIRCKVDGFTHLYTLILRPDLSYEVKVDGQSIESGSIYEDWNLTSLKKMEK  
 TSLESRDWDEVEGNKAQDWEKHFLDAGPSKPSDWNSSELDGDWLQKPPYEDGLKAEGIDKDVWLHQKMRPA  
 GYLTYDLSEFENIGAIGLELWQVRSGLFDNFLITDDEEYAEKFGKATWGETKGPKEMDAIQAKEEVK  
 KAREEDEDLLMGKFHRHNHFSRFHRQGEL

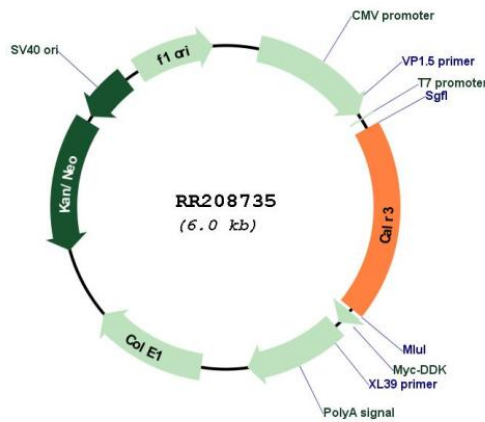
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001012212

<b>ORF Size:</b>	1137 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001012212.1</a> , <a href="#">NP_001012212.1</a>
<b>RefSeq Size:</b>	1424 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	364529
<b>Cytogenetics:</b>	16p14
<b>MW:</b>	44.2 kDa