

Product datasheet for **RN201151**

Cask (NM_022184) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cask (NM_022184) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cask
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201151 representing NM_022184
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATG**CCGACGACGACGTGCTGTTCGAGGATGTGTACGAGCTGTGCGAGGTGATCGGCAAGGGTCCCTTCA**
GTGTTGTACGACGATGCATCAACAGAGAACTGGACAACAATTTGCTGTAAAAATTGTTGACGTAGCCAA
GTTACATCAAGTCCAGGGTTAAGTACAGAAGATCTAAAGCGGGAAGCCAGTATCTGTATATGTGAAG
CATCCACACATTGTAGAGCTGTTGGAGACATATAGCTCAGATGGGATGCTTTACATGGTTTTTGAATTTA
TGGATGGAGCAGATCTGTGTTTTGAAATTGTAAAGCGAGCTGATGCTGGTTTTGTATACAGTGAAGCTGT
AGCCAGTCACTACATGAGACAGATACTGGAAGCTCTACGCTACTGTCATGATAATAACATAATTCACAGG
GATGTGAAGCCCCACTGTGTTCTCCTCGCCTCAAAGAAAATTCTGCACCTGTTAAGCTTGGGGCTTTG
GGGTAGCCATCCAGTTAGGAGAACTGGACTTGTGCTGGAGGACGCGTTGGAACACCTCACTTTATGGC
CCCAGAAGTGGTCAAGAGAGAGCCTTATGGAAAGCCTGTGGATGTCTGGGGCTGCGGTGTGATTCTTTTC
ATCCTGCTCAGCGGCTGTTTGCCTTCTACGGAACCAAGGAAAGATTGTTTGAAGGCATTATTAAGGAA
AATATAAGATGAATCCAAGGCAGTGGAGCCATATCTCTGAAAAGTGCCAAAGACCTAGTGCGCCGATGCT
GATGCTGGATCCTGCTGAAAGGATCACTGTTTATGAAGCACTGAATCACCCATGGCTTAAGGAGCGGGAT
CGTTATGCCTACAAAATTCATCTTCCAGAAACAGTAGAACAACCTGAGGAAATTCATGCAAGGAGAAAAC
TAAAGGTGCAGTACTAGCGGCTGTGTCAAGTCAAAAATTCATCTTCTACGGGGACCTCCTGAAGA
GTTGCCAGATTTCTCCGAAAGCCCTACCTCCTCAGGACTTCTAGCAGCAGAAAGACCGTCTCTCAGGTG
CTGGACGCCTGGAAGAGATTCACGCACCTACAGACTGCAGTAAAAGGACCTAGATTTCTACACAGTA
TTTTCCAGGATCAGCATCTTACACACACTGCTGGATCTGTATGACAAAATTAACACAAAAGTCTTCGCCACA
AATCAGGAATCCTCCAAGCGATGCAGTACAGAGAGCCAAAGAGGTATTGGAAGAAAATTCATGTTACCTT
GAGAATAATGACGCGAAGGAACCTAAAGCGTATTTTAAACAACCTCATTTTCATGGCCTTACTTCAGACTC
ACCACGTAGTGGCACATGAAGTTTACAGTGTGAAGCATTAAAGGTACACCTCCGCCGACTTCCCGTGA
TTTAAACGGTGATTCTCCAGAAAGTCAAAATGGAGACATGGACATGGAGAATGTGACCAGAGTTCGCCTG
GTACAGTTTCAAAGAACACAGATGAGCCAATGGGAATCACTTTGAAAATGAATGAGCTCAATCATTGTA
TTGTTGCGAGAATCATGCATGGCGGGATGATTCACAGGCAAGGTACACTTCATGTTGGTGTGAAATCCG
AGAAATCAATGGCATCAGTGTGCTAACCACAGTGGAAACAGCTACAAAAATGCTTAGGGAAATGCCA
GGGAGTATTACCTTCAAGATTGTCCAAGCTACCGCACTCAGTCTTCGTCATGTGAGAGAGATCCCCCT
CCACTTCCAGACAGTCCCTGCTAATGGTCATAGCAGCACTAACAATTCGTTTCGATCTATGTAAGAGC
ACAATTTGAATATGATCCAGCCAAGGATGACCTCATCCCTGCAAGAAGCTGGCATCCGGTTCGGAGTT
GGTGACATCATCCAGATTATTAGTAAGGATGACCACAACCTGGTGGCAGGGTAAACTGGAAAACCTCAAAA
ACGGAACCTGCAGGTCTCATTCTTCTCCTGAACTTCAGGAATGGCGAGTACCTTGCAATGCCATGGAGAA
GACCAACAAGAGCAGCAGGCCAGCTGTACTTGGTTTGGCAAGAAAAAGAAGCAGTACAAAGATAAATAT
TTGGCAAAGCACAAATGCAGATCTGTACGATGAAGAAGTGTGAAACTGCCAGCGTTCAAAGGAAAA
CATTAGTCTTATTAGGTGCACATGGTGTGGGAGAAGACACATCAAAAACACCTCATCAAAAGCACCC
GGAGCGCTTCGGTACCCCATCCGCATACAACCAGACCTCAAAGAAAAGATGAAGAAAATGGCAAGAAT
TATTACTTTGTATCTCATGACCAAAATGATGCAAGATATCTCAAATAATGAATACTTGGAGTACGGCAGCC
ATGAGGATGCAATGTATGGGACAAAACCTGGAGACCATTGCAAAAATCCATGAGCAGGGGCTGATTGCGAT
TCTGGACGTGGAGCCTCAGGCATTGAAGGTCTGAGAACTGCAGAGTTTCCCCCTTTTGTGCTTCATT
GCGGGCCAACTACTCCAGGTTTAAATGAGGATGAATCTCTTCAGCGCTGCAGAAGGAGTCCGATG
TCTTGCAGAGAACATATGCACACTACTTCGATCTCACAATTATCAACAATGAAATTGATGAGACAATCAG
ACATCTGGAGGAAGCTGTCGAGCTTGTGTGCACAGCCCCACAGTGGGTCCCGTCTCTGGGTCTATTAG****

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_022184

Insert Size:	2730 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).
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:	NM_022184.1 , NP_071520.1
RefSeq Size:	3819 bp
RefSeq ORF:	2730 bp
Locus ID:	29647
UniProt ID:	Q62915
Cytogenetics:	Xq12
Gene Summary:	may play a role in intracellular Ca(2+) mediated signaling pathways [RGD, Feb 2006]