

Product datasheet for **RR201151**

Cask (NM_022184) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>RR201151 representing NM_022184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

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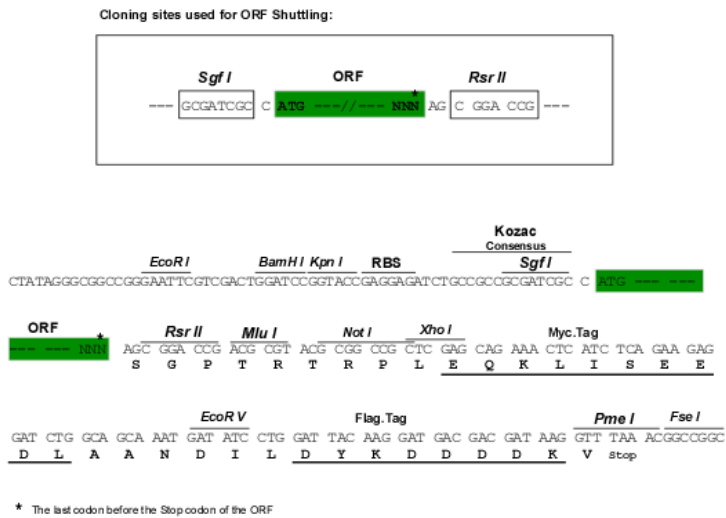
Protein Sequence: >RR201151 representing NM_022184
Red=Cloning site Green=Tags(s)

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HPHIVELLEITYSSDGMLYMVFEFMDGADLCFEIVKRADAGFVYSEAVASHYMRQILEALRYCHDNNIIHR
DVKPHCVLLASKENSAPVKLGGFGVAIQLGESGLVAGGRVGTPHFMAPEVVKREPYGKPVVWGGVILF
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VQFQKNTDEPMGITLKMNELNHCIVARIMHGGMIHRQGLHVGDEIREINGISVANQTVLQKMLREMR
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LAKHNADLVTYEEVVKLPAFKRRTLVLGAGHVGRRIKNTLITKHPERFAYPIPHTRPPKDEENGKN
YYFVSHDQMMQDISNNEYLEYGSHEDAMYGTKLETIRKIHEQGLIAILDVEPQALKVLRRTAEFPFVVI
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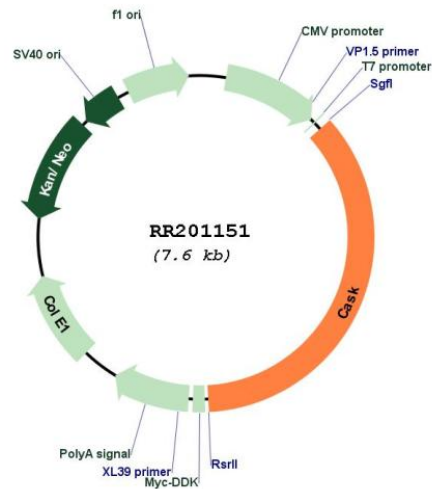
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN: | NM_022184 |
| ORF Size: | 2727 bp |
| OTI Disclaimer: | 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 |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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 |
| MW: | 103.3 kDa |
| Gene Summary: | may play a role in intracellular Ca(2+) mediated signaling pathways [RGD, Feb 2006] |