

## Product datasheet for **RR203895**

### Rapsn (NM\_001108584) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rapsn (NM\_001108584) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rapsn  
**Synonyms:** rapsyn  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203895 representing NM\_001108584  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGCAGGACCAGACAAAGCAACAGATCGAAAAAGGACTGCAGCTGTACCAGTCCAACCAGACAGAGA  
AGGCACGCAAGTGTGGATGAAGGTGCTGGAGAAGGGCTCTGACCTCGTGGGCCGCTTCCGGGTGCTGGG  
CTGCTTGGTAACAGCTCACTCGGAGATGGGCCGCTACAAAGAGATGCTGAAGTTTGCCGTGGTCCAGATC  
GACACTGCTCGGGAAGTGGAGGATGCGGATTCCTGCTCGAAAGCTACCTGAACCTGGCACGCAGCAATG  
AGAAGCTATGTGAGTTTACAAAACCATCTCCTACTGCAAGACCTGCCTCGGCCTGCCTGGCACCAGGGC  
TGGTGCCAGCTTGGGGTCAAGTCAAGCTGAGCATGGGCAATGCTTTCCTGGGCCTCAGCCTCTCCAG  
AAGGCCCTAGAGAGCTTTGAGAAGGCCCTGCGCTATGCCACAACAATGATGACACCATGCTGGAGTGCC  
GCGTCTGCTGCAGCCTGGGCAGTTTCTACGCCAGGTCAAGGAGTCCATGAAGATTGCCCTGCAGCATGG  
TGACCGCCCACTGCAAGCACTCTGTCTGCTCTGCTTTGCCGATATCCACCGAGCCGTGGGGACCTGGAG  
ACAGCCTTCCCTAGGTACGATTCGCTATGAGCATCATGACCGAGATCGGAAACCGCTGGGGCAAGTGC  
ATGTGCTGCTGGGTGGCCAAGTGTGGATAGCCAGAAAGTGTGGACAAGGCTTTGGATGCCATTGA  
GAAAGCCAGGACTGGCTGAAGAGGTTGGAAATAAGCTGAGCCAGCTCAAGCTGCCTGCCTGAGTGAG  
GGCATCTGCCGACGAAGGGGCTGCAGCGTGAGCTGCGCGCATGTAGTGAGGTTCCACGAGTGCGTGG  
AGGAGACTGAGCTCTACTGTGGCCTCTGTGGTGTGAGTCCATTGGGGAGAAGAACAGCCGGCTGCAGGCCCT  
GCCCTGCTCCACATCTTTCATCTCAGATGCCTGCAAAACAACGGCACTAGGAGTTGCCCAACTGCCGC  
CGTCCTCCATGAAGCCAGGCTTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203895 representing NM\_001108584  
 Red=Cloning site Green=Tags(s)

MGQDQTKQQIEKGLQLYQSNQTEKALQVWMKVLEKGSDDL VGRFRVLGCLVTAHSEMGRYKEMLFVAVVQI  
 DTARELEDADFLLESYLNARSNEKLCFHKTI SYCKTCLGLPGTRAGQLGGQVLSMGN AFLGLSLFQ  
 KALESEFEKALRYAHNDDTMLECRVCCSLGSFYAQVKESMKIALQHGRPLQALCLL CFADIHRSRGDLE  
 TAFPRYDSAMSIMTEIGNRLGQVHVLLGVAKCWIARKVLDKALDAIEKAQDLAEVGNKLSQLKLHCLSE  
 GICRSKGLQRELRAHVVRFHECVEETEL YCGLCGESIGEKNSRLQALPCSHIFHLRCLQNNGTRSCPNCR  
 RSSMKPGFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

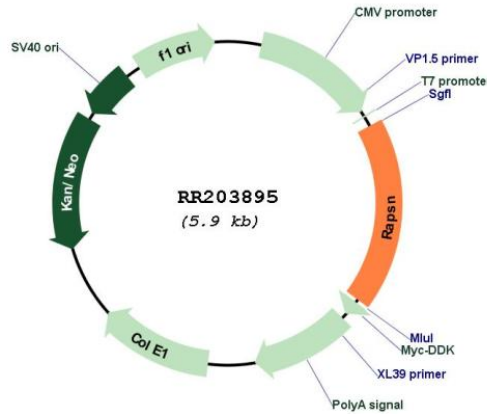
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108584

<b>ORF Size:</b>	1077 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_001108584.1</a> , <a href="#">NP_001102054.1</a>
<b>RefSeq Size:</b>	1430 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	362161
<b>Cytogenetics:</b>	3q24
<b>MW:</b>	40.2 kDa