

## Product datasheet for **RR211171**

### Swap70 (NM\_001106288) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Swap70 (NM_001106288) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Swap70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211171 representing NM\_001106288  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGGGCTTGAAGACGAAGTCTCAAAGCCATCTGGCACGCCTTACCGCGCTCGACCTGGACC  
 CGGCAAGGTCTCCAAGTCGCAACTCAAGTCTTTCCATAACCTGTGCACGGTCTGAAGTTCCACA  
 CGACCCTGTTGCCCTTGAGGAGCACTTCCGGGATGACGATGAGGGGCTGTCTCCAATCAGGCTACATG  
 CCATATTTAAACAAGTTCATTTTGGAAAAGTCCAAGACAACCTTGACAAGATTGAATCAATAGAATGT  
 GTTGGACCCTCTGTGTAAGAAAACCTCACAAGAGTCCACTCCTTATTACAGAAGATGATGCATTCAA  
 AGTGTGGGTCACTTTCACTTTTGTGGAGGACAAGTATCCATTAATTATTGTGCCAGAAGAGATCGAA  
 TACCTACTTAAGAACTTACAGAAGCTATGGGAGGAGTTGGCAACAAGAGCAATTTGAACATTACAAA  
 TAACTTTGATGACAATAAAGATGGCTGTCTGCCTGGGAACCTATTGAACTAATTGAAATGGACAGTT  
 TAGCAAGGCATGGATCGTCAGACAGTGTCTATGGCCATTAATGAGGTCTCAATGAGCTTATTTTAGAT  
 GTATTGAAACAGGGTTACATGATGAAGAAAGGCCACAAACGGAAAACTGGACTGAGCGCTGGTTTGTAT  
 TAAAACCAACATAATTTCTACTATGTGAGCGAGGATCTGAAAGATAAGAAAGGAGACATCATGTTGGA  
 TGAAACTGCTGTGTGGAGTCTCTGCCTGACAAAGATGGAAGAAATGTCTTTTCTAATAAAATGCTTT  
 GATAAGACCTTTGAAATCAGTGCCTCGGATAAGAAGAAGAAACAAGAATGGATTACAGCCATCCATTCTA  
 CCATCCATCTGTTGAAGCTGGCAGCCCCCACCACACAAGGAAGCCCGCAGCGTCGGAAGAGCTCCG  
 AAGGAAGCTGCTGGCAGAGCAGGAGGAGCTGGAGCGGCAGATGAAGGAGCTCCAAGCGCCAATGAAAC  
 AAGCAGCAGGAGCTGGAGAGTGTGGGAAGAACTGGAGGAAGCAGCATCTCGTCCGCGAGCAGGAGAA  
 AGAAGCGCTGCAGACTCAGGTAGAGCTACAGACCAGTTTCAAGCAGAGTTGGAGCGGAGAAGCTGAT  
 CAGACAGCAATGGAGGAGCAGGTTGCCAGAAAGTCTCTGAACTGGAGCAGTATCTGCAGCGAGTTCCG  
 GAGCTGGAAGACATGTACCTAAAGCTGCAGGAGGCACTGGAGGACGAGAGGCAGGCCCGGCAGGATGAAG  
 AGACTGTGCGCAAGCTTTCAGGCCAGGCTGCTGGAGGAAGAGTCTTCTAAGAGGGCAGAGCTGGAAGAGT  
 GCACCTGGCACAGCAGCAGGCCATTAGACAACAGAGGCGGAGAAGCAGGAGTTGGAACAGCAGCGTGT  
 CTGAAGGAGCAGGCCCTGCAGGAGGCCATGGCACAGCTGGAGCAGCTGGAGTTGGAGCGGAAGCAGGCC  
 TGGAGCAGTATGAGGGAGTCAAAGGAAGCTAGAGATGGCAACAATACGACCAAGAGCTGGAAGGACAA  
 AGTGGCCATCATGAGGGATTAATACGCTTGTAGAACAGGTTCCAAGAACCCTCACCTGATCACCAAC  
 TGGGACCTGCAGCATTCACGCAGCAGAGCTCGAGGAGCGAGAGAAGAGCTGGAAGAGAGAAGACCA  
 CAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211171 representing NM\_001106288  
 Red=Cloning site Green=Tags(s)

MGGLKDELLKAIWHAFTALDLDRSGKVSQSLKVL SHNLCTVLKVPHPVALEEHRDDDEGPVSNQGYM  
 PYLNKFILEKVDNFDKIEFNRCWTLCKKNLTKSPLLITEDDAFKVWVIFNFLSEDKYPLIIVPEEIE  
 YLLKKLTEAMGGWQEQFEHYKINFDDNKDGLSAWELIELIGNGQFSGMDRQTVSMINEVFNELILD  
 VLKQGYMMKKGHRKNWTERWFLKPNIISSYYVSEDLKDKKGDIMLDENCCVESLPDKDGKCLFLIKCF  
 DKTFEISASDKKKQEWIQAIIHSTIHLKLGSPPHKEARQRRELRRKLLAEQEELERQMKEQAANEN  
 KQQELESVRKKLEEAASRAADEEKRLQTQVELQTRFSTELEREKLIHQMQEEQVAQKSSELEQYLQVRV  
 ELEDMYLKLQEALEDERQARQDEETVRKLQARLLEEESSKRAELEKWHLAQQQAIQTTEAEKQELEQQRV  
 LKEQALQEAMAQLELELERKQALEQYEGVKKRLEMATNTTKSWKDKVAHHEGLIRLIEPGSKNPHLITN  
 WGPAAFTQAELEEREKSWKEKTTD

**TRTRP**LEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

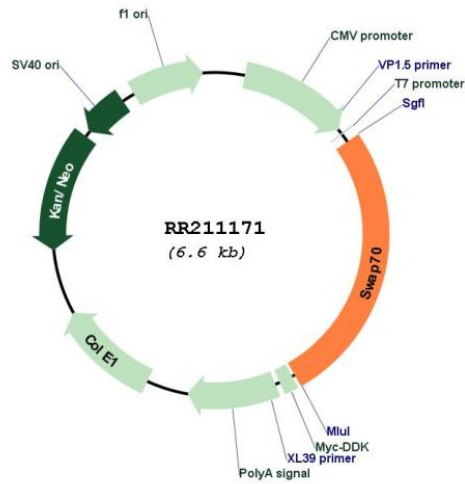
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001106288

<b>ORF Size:</b>	1755 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_001106288.1</a> , <a href="#">NP_001099758.1</a>
<b>RefSeq Size:</b>	3871 bp
<b>RefSeq ORF:</b>	1758 bp
<b>Locus ID:</b>	293410
<b>Cytogenetics:</b>	1q33
<b>MW:</b>	68.8 kDa