

Product datasheet for **RC224609**

SYS1 (NM_001099791) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SYS1 (NM_001099791) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SYS1
Synonyms: C20orf169; dj453C12.4; dj453C12.4.1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC224609 representing NM_001099791
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCGGGTCAGTTCCGCAGCTACGTGTGGACCCGCTGCTGATCCTGTCGCAGATCGTCCTCATGCAGA
CCGTGTATTACGGCTCGCTGGGCTGTGGCTGGCGCTGGTGGACGGGCTAGTGCGAAGCAGCCCCCTCGT
GGACCAGATGTTGACGCCGAGATCCTGGGCTTTCCACCCTCCAGGCCGGCTCTCCATGATGTCCTTC
ATCCTCAACGCCCTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224609 representing NM_001099791
Red=Cloning site **Green**=Tags(s)

MAGQFRSYVWDPLLILSQIVLMQTVYYGSLGLWLALVDGLVRSSPSLDQMFDAILGFSTPPGRLSMMSF
ILNALT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

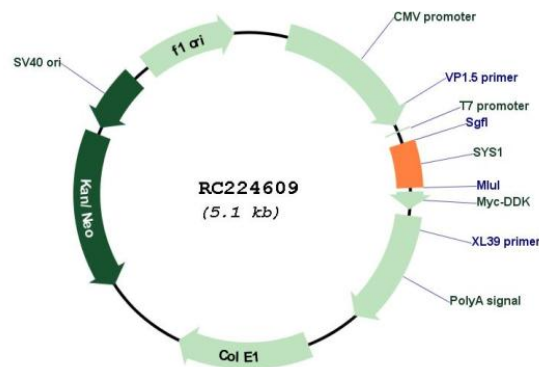


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001099791

ORF Size: 228 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:	<u>NM_001099791.3</u>
RefSeq Size:	2967 bp
RefSeq ORF:	231 bp
Locus ID:	90196
UniProt ID:	<u>Q8N2H4</u>
Cytogenetics:	20q13.12
Protein Families:	Transmembrane
MW:	8.4 kDa
Gene Summary:	SYS1 forms a complex with ADP-ribosylation factor-related protein ARFRP1 (MIM 604699) and targets ARFRP1 to the Golgi apparatus (Behnia et al., 2004 [PubMed 15077113]).[supplied by OMIM, Aug 2009]