

Product datasheet for **RR203491**

St13 (NM_031122) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St13 (NM_031122) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203491 representing NM_031122 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCCCGAAAGTGAGCGAGCTTCGGCCTTCGTGAAGATGTGTAGGCAGGACCCGAGCGTCTCG
ACACCGAGGAAATGCGTTTCCTGAGGGAGTGGGTGGAGAGCATGGGGGTAAAGTACCACCTGCTACTCA
TAAAGCGAAGTCAGAAGAAAACACTAAGGAAGAAAAAGAGACAAGACGACAGAGGACAACATAAGACA
GAGGAGCCATCGAGTGAGGAGAGCGATCTAGAAATTGACAATGAAGGTGAATTGAAGCAGACACTGATG
CTCCTCAGGAAATGGGAGATGAAATGCAGAGATAACTGAGGCGATGATGGATGAAGCAAATGAAAAGAA
GGGGGCTGCCATCGACGCTCTAAATGATGGTGAGCTCCAGAAAGCCATTGACTTGTTCACAGACGCCATC
AAGCTAAACCCTCGCTTGCCATTCTGTATGCCAAGAGAGCCAGTGTTCGTCAAATTACAGAAGCCAA
ATGCTGCCATCCGAGACTGTGACAGAGCTATTGAAATAAACCTGATTCAGCTCAGCCATACAAATGGAG
AGGAAAGCGCACAGACTCCTGGGTCAGTGGGAAGAAGCAGCTCGCGATCTTGCCCTGGCCTGTAATTG
GACTATGATGAGGACGCCAGTGAATGCTGAGAGAAGTCCAGCCTCGGGCTCAAAAAATTGCTGAACATC
GGAGAAAGTATGAGCGAAAACGTGAAGAGCGAGAGATAAAAGAACGAATAGAAAGGTGAAGAAGGCTCG
AGAAGAGCATGAAAAGCCAAAGGGAAGAAGAAGCCAGAAGACAATCTGGATCTCAGTTTGGCTCTTTT
CCAGGTGGTTTTCTGGGGAAATGCCTGGTAATTTTCTGGAGGAATGCCTGGAATGGGAGGGGCCATGC
CAGGAATGGCAGGAATGCCTGGACTCAACGAAATCCTCAGTGACCCAGAGGTTCTTGACGCCATGCAGGA
TCCAGAAGTCA TGGTGGCTTTCCAGGATGTGGCCAGAAGCCATCAAATATGTCAAATATCAGAACAAC
CCAAAGTTATGAATCTCATCAGTAAATTGTGAGCAAGTTTGGAGGTCACTCA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203491 representing NM_031122
 Red=Cloning site Green=Tags(s)

MDPRKVELRAFVKMCRQDPSVLHTEEMRFLREWVESMGKVPPTHKAKSEENTKEEKRDKTEDNIKT
 EEPSSEESDLEIDNEGVIEADTDAPQEMGDENAEITEAMMDEANEKKGAAIDALNDGELQKAIDLFTDAI
 KLNPLRLAILYAKRASVFKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRLLLGHWEAAARDLALACKL
 DYDEDASAMLRVQPRAQKIAEHRKRYERKREEREIKERIERVKKAREEHEKAQREEEARRQSGSQFGSF
 PGGFPGGMPGNFPGGMPGMGGAMPGLNEILSDPEVLAAMQDPEVMVAFQDVAQNPSNMSKYQNN
 PKVMNLI SKLSAKFGGHS

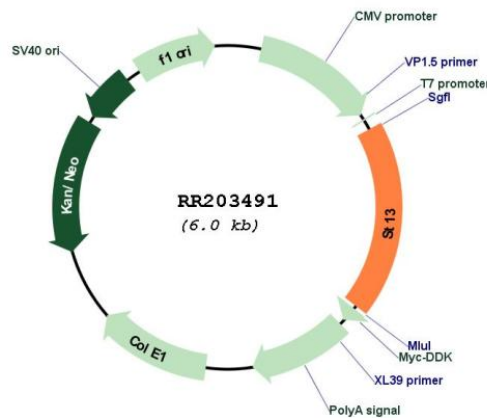
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031122

ORF Size:	1104 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_031122.1 , NP_112384.1
RefSeq Size:	1694 bp
RefSeq ORF:	1107 bp
Locus ID:	81800
UniProt ID:	P50503
Cytogenetics:	7q34
MW:	41.3 kDa
Gene Summary:	cochaperone protein; involved in regulation of the heat shock protein, Hsc70 [RGD, Feb 2006]