

Product datasheet for **RG212763**

SIN1 (MAPKAP1) (NM_001006621) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIN1 (MAPKAP1) (NM_001006621) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAPKAP1
Synonyms:	JC310; MIP1; SIN1; SIN1b; SIN1g
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212763 representing NM_001006621 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGTGGTGACAATGGCCAGCGCCAGGGTGCAGGACCTGATCGGGCTCATCTGCTGGCAGTATACAA
GCGAAGGACGGGAGCCGAAGCTCAATGACAATGTCAGTGCCTACTGCCTGCATATTGCTGAGGATGATGG
GGAGGTGGACACCGATTTCCCCCGCTGGATTCCAATGAGCCATTCATAAGTTTGGCTTCAGTACTTTG
GCCCTGGTTGAAAAGTACTCATCTCCTGGTCTGACATCCAAAGAGTCACTCTTTGTTCGAATAAATGCTG
CTCATGGATTCTCCCTTATTCAGGTGGACAACACAAGGTTACCATGAAGGAAATCTTACTGAAGGCAGT
GAAGCGAAGAAAAGGATCCCAGAAAAGTTTCAGGCCCTCAGTACCGCCTGGAGAAGCAGAGCGAGCCCAAT
GTCGCCGTTGACCTGGACAGCACTTTGGAGAGCCAGAGCGCATGGGAGTTCTGCCTGGTCCGCGAGAACA
GTTCAAGGGCAGACGGGGTTTTTGGAGGAGATTCGCAATTGACATAGCCACAGTACAGGATATGCTTAG
CAGCCACCATTACAAGTCATTCAAAGTCAGCATGATCCACAGACTGCGATTACACAACCGAGCTACAGCTA
GGTATCTCTGGAGACAAAGTAGAGATAGACCCTGTTACGAATCAGAAAGCCAGCACTAAGTTTTGGATTA
AGCAGAAACCCATCTCAATCGATTCCGACCTGCTCTGTGCTGTGACCTTGTGAAGAGAAAAGCCCCAG
TCACGCAATATTTAAACTCACGTATCTAAGCAATCACACTATAAACACCTCTACTTTGAATCGGACGCT
GCTACCGTCAATGAAATGTGCTCAAGGTTAACTACATCCTGGAATCGCGAGCTAGCACTGCCCGGGCTG
ACTACTTTGCTCAAAAACAAAGAAAAGTGAACAGACGTACGAGCTTCAGTTCAGAAAGGAGAAGAAATC
CGGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

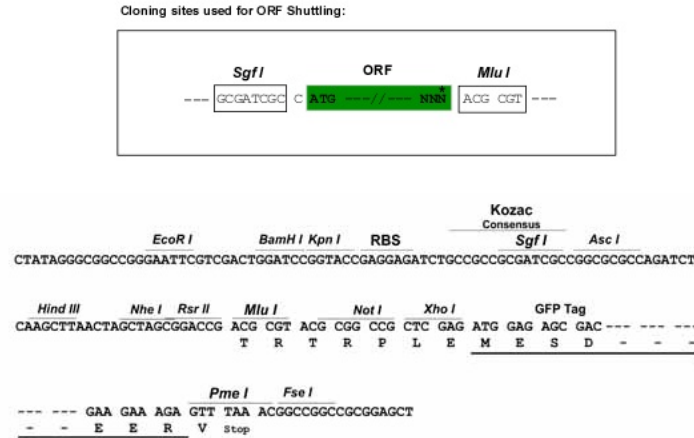
Protein Sequence: >RG212763 representing NM_001006621
Red=Cloning site Green=Tags(s)

MTVVMTASARVQDLIGLICWQYTSEGREPKLNDNVSAyclHIAEDDGEVDTFPPLDSNEPIHKFGFSTL
 ALVEKYSSPGLTSKESLFRINAAHGFLIQVDNTKVTMKEILLKAVKRRKGSQKVSQPQRLEKQSEPN
 VAVDL DSTLESQSAWEFCLVRENSSRADGVFEEDSQIDIATVQDMLSSHYYKSFKYSMIHRLRFTTDVQL
 GISGDKVEIDPVTNQKASTKFWIKQKPI SIDSDLLCACDLAEEKSPSHAI FKLTYLSNHDKHLYFESDA
 ATVNEIVLKVNYILESRASTARADYFAQKQRKLNRRTSFSFQKEKKSQQQ

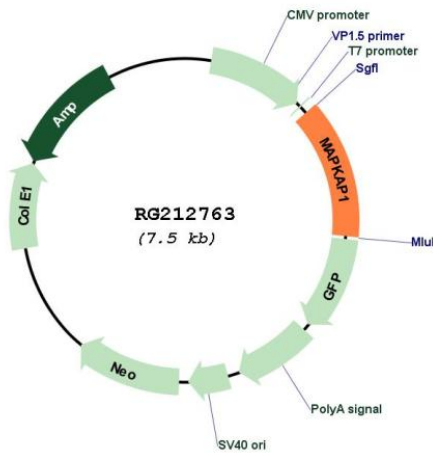
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001006621

ORF Size: 990 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_001006621.1 , NP_001006622.1
RefSeq Size:	2977 bp
RefSeq ORF:	993 bp
Locus ID:	79109
UniProt ID:	Q9BPZ7
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein that is highly similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3' UTRs have been identified for transcripts of this gene. [provided by RefSeq, Jul 2008]