

Product datasheet for **RC239271**

TAGAP (NM_001278733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAGAP (NM_001278733) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAGAP
Synonyms:	ARHGAP47; FKSG15; IDDM21; TAGAP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239271 representing NM_001278733
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGAAGGCTCTCCCCTGCATCAGATTTTTCTGGGGCTTTGGAGACAGACTTGAAGCATCGCTATTTG
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239271 representing NM_001278733
 Red=Cloning site Green=Tags(s)

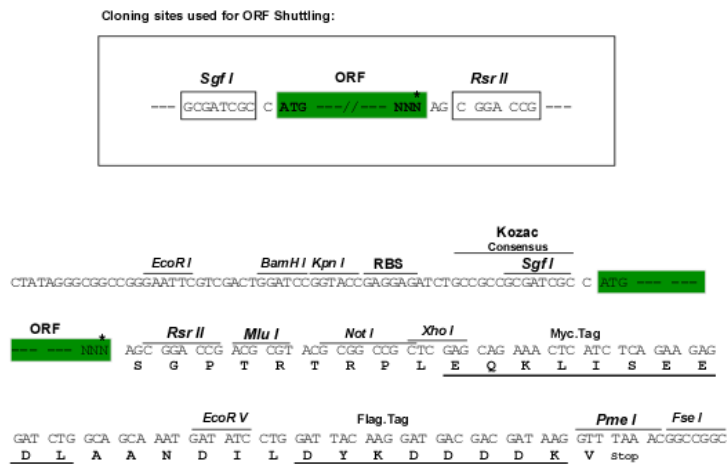
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 PNL L L L KHLVYV LHLISKNSEVNRMDSSNLAICIGPNMLTLENDQSLSFEAQDLNKNKVKTLVEFLIDNC
 FEIFGENIPVHSSITSDDSLEHTDSSDVSTLQND SAYDSNDPDVESNSSSGISSPSRQPQVPMATAAGLD
 SAGPQDAREVSP EPIVSTVARLKSSLAQPDRRYSEPSMPSSQECLSRVTNQT LKSEGDFVPRVGSRL
 ESEEAEDPFEEVFPVAVQGKTKRPVDLKIKNLAPGSVLPRALVLKAFSSSSLDASSDSSPVASPPSKRN
 FFSRHQSFTTKTEKGP SREIKKHSMSFTFAPHKKVLTKNLSAGSGKSQDFTRDHVPRGVRKESQLAGRI
 VQENGCEHNQTARGFCLRPHALSVDDVFQGADWERPGSPPSYEEAMQGPAARL VASESQT VGSMTVGS
 M RARMLEAHCLLPPLPPAHHVEDSRHRGSKEPLPGHGLSPLPERWKQSRTVHASGDSLGHVSGPGRPELLP
 LRTVSESVQRNKRDCLVRRCSQPVF EADQFQYAKESYI

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

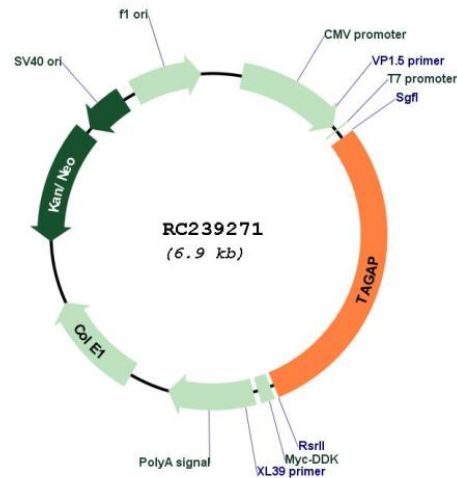
Sgfl-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001278733

ORF Size: 2004 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:

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_001278733.2](#)

RefSeq Size: 3516 bp

RefSeq ORF: 2007 bp

Locus ID: 117289

UniProt ID: [Q8N103](#)

Cytogenetics: 6q25.3

MW: 74 kDa

Gene Summary: This gene encodes a member of the Rho GTPase-activator protein superfamily. The encoded protein may function as a Rho GTPase-activating protein. Alterations in this gene may be associated with several diseases, including rheumatoid arthritis, celiac disease, and multiple sclerosis. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013]