

Product datasheet for **RC220817**

TAGAP (NM_054114) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAGAP (NM_054114) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAGAP
Synonyms:	ARHGAP47; FKSG15; IDDM21; TAGAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220817 representing NM_054114
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCTGAGAAGCAGCCACAATGCTTCAAAAACACTAAACGCCAATAATATGGAGACACTAATCGAAT
 GTCAATCAGAGGGTGATATCAAGGAACATCCCCGTTGGCATCATGTGAGAGTGAAGACAGTATTTGCCA
 GCTCATTGAAGTTAAGAAGAGAAAGAAGGTGCTGTCCTGGCCCTTTCATGAGAAGGCTCTCCCCTGCA
 TCAGATTTTTCTGGGGCTTTGGAGACAGACTTGAAAGCATCGCTATTTGATCAGCCCTTGTCAATTATCT
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 AACGGAAGGGATATTCAGGAGAGCAGCCAACGAGAAAGCCCGTAAGGAGCTGAAGGAGGAGCTCAACTCT
 GGGGATGCGGTGGATCTGGAGAGGCTCCCCGTGCACCTCCTCGCTGTGGTCTTTAAGGACTTCTCAGAA
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 CCATCTGCATTGGACCCAACATGCTCACCTGGAGAATGACCAGAGCCTGTCATTTGAAGCCCAGAAGGA
 CCTGAACAACAAGGTGAAGACTGTTGGAATTCCTCATTGATAACTGCTTTGAAATATTTGGGGAGAAC
 ATTCCAGTGCATTCCAGTATCACTTCTGATGACTCCCTGGAGCACACTGACAGTTCAGATGTGTCGACCC
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 CGAGAGGTGAGCCAGAGCCATTGTGAGCACCCTGCCAGGCTGAAAAGCTCCCTCGCACAGCCCGATA
 GGAGTACTCAGAGCCAGCATGCCATCCTCCAGGAGTGCCTCGAGAGCCGGGTGACAAACCAAACT
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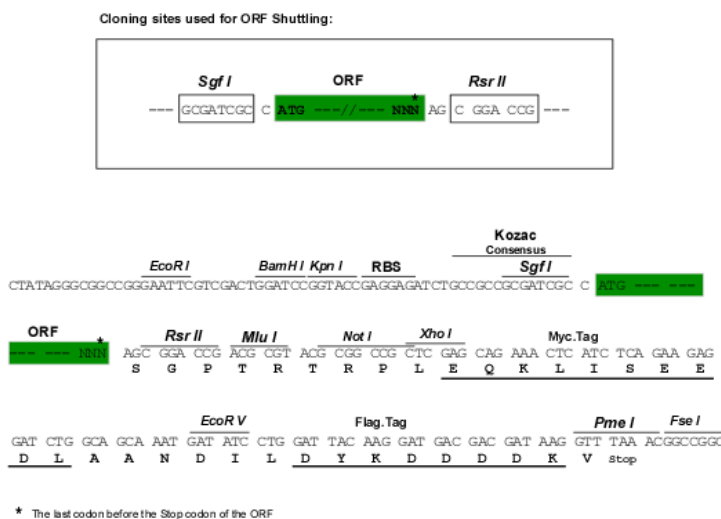
Protein Sequence: >RC220817 representing NM_054114
Red=Cloning site Green=Tags(s)

MKLRSSHNASKTLNANNMETLIECQSEGDIKEHPLLASCESEDSICQLIEVKRKRKVL SWPFLMRRLSPA
 SDFSGALETDLKASLFDQPLSIIICGSDTLPRPIQDILTILCLKGPSTEGIFRRAANEKARKELKEELNS
 GDAVDLERLPVHLLAVFKDFLRSIPRKLSSDLFEWNGALEMQDEEDRIEALKQVADKLPRPNLLLLK
 HLYVYLHLISKNSEVNRMDSSNLAICIGPNMLTLENDQSLSFEAQKDLNNKVKTLVEFLIDNCFEIFGEN
 IPVHSSITSDDSL EHTDSSDVSTLQNDSAYDSNDPDVESNSSSISPSRQPQVPMATAAGLDSAGPQDA
 REVSPEPIVSTVARLKSSLAQPDRRYSEPSMPSSQECLESRTVNTQTLTKSEGDFPVRVGRSRLESEEAED
 PFPEEVFAVQGKTKRPVDLKIKNLAPGSVLPRALVLFKAFSSSSLDASSDSSPVASPPSKRNF SRHQ
 FTTKTEKGKPSREIKKHSMSFTFAPHKKVLTKNLSAGSGKSQDFTRDHVPRGVRKESQLAGRIVQENGCE
 THNQTARGETCLRPHALSVDDVFQGWERPSPPSYEEAMQGPVARLVASESQT VGSMTVGS MRARMLEA
 HCLLPPLPAHHVEDSRHRGSKEPLPGHLSPLPERWKQSRVHASGDSLGHVSGPGRPELLPLRTVSES
 VQRNKRDCLVRRCSQPVF EADQFQYAKESYI

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_054114

ORF Size: 2193 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_054114.5](#)

RefSeq Size: 3363 bp

RefSeq ORF: 2196 bp

Locus ID: 117289

UniProt ID: [Q8N103](#)

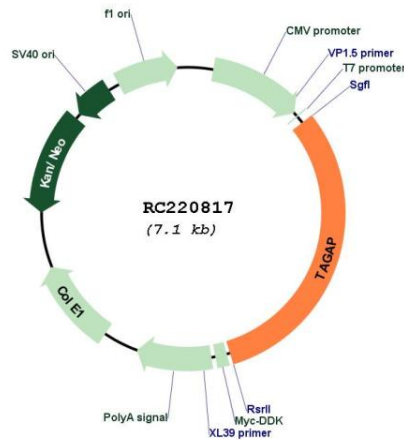
Cytogenetics: 6q25.3

Domains: RhoGAP

MW: 80.5 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]

Product images:



Circular map for RC220817