

## Product datasheet for **SC110771**

### **TAGAP (NM\_054114) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TAGAP (NM_054114) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAGAP
Synonyms:	ARHGAP47; FKSG15; IDDM21; TAGAP1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

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>OriGene ORF sequence for NM_054114 edited
ATGAAGCTGAGAAGCAGCCACAATGCTTCAAAAACACTAAACGCCAATAATATGGAGACA
CTAATCGAATGTCAATCAGAGGGTGATATCAAGGAACATCCCCTGTTGGCATCATGTGAG
AGTGAAGACAGTATTTGCCAGCTCATTGAAGTTAAGAAGAGAAAGAAGGTGCTGTCTGG
CCCTTTTCATGAGAAGGCTCTCCCCTGCATCAGATTTTTCTGGGGCTTTGGAGACAGAC
TTGAAAGCATCGCTATTTGATCAGCCCTTGTCATTATCTGCGGTGACAGTGACACACTC
CCCAGACCCATCCAGGACATTCTACTATTCTATGCCTTAAAGGCCCTTCAACGGAAGGG
ATATTCAGGAGAGCAGCCAACGAGAAAGCCCGTAAGGAGCTGAAGGAGGAGCTCAACTCT
GGGGATGCGGTGGATCTGGAGAGGCTCCCCGTGCACCTCCTCGCTGTGGTCTTTAAGGAC
TTCCTCAGAAGTATCCCCGGAAGCTACTTTCAAGCGACCTCTTTGAGGAGTGGATGGGT
GCTCTGGAGATGCAGGACGAGGAGGACAGAATCGAGGCCCTGAAACAGGTTGCAGATAAG
CTCCCCGGCCCAACCTCCTGCTACTCAAGCACTTGGTCTATGTGCTGCACCTCATCAGC
AAGAACTCTGAGGTGAACAGGATGGACTCCAGCAATCTGGCCATCTGCATTGGACCCAAC
ATGCTCACCTGGAGAATGACCAGAGCCTGTCATTTGAAGCCCAGAAGGACCTGAACAAC
AAGGTGAAGACTGGTGAATTCTCATTGATAACTGCTTTGAAATATTTGGGGAGAAC
ATTCCAGTGCATTCCAGTATCACTTCTGATGACTCCCTGGAGCACACTGCAGTTAGAT
GTGTGCACCTGCAGAATGACTCAGCCTACGACAGCAACGACCCTGATGTGGAATCCAAC
AGCAGCAGTGGCATCAGCTCTCCAGCAGGCAGCCCAGGTGCCATGGCCACAGCTGCT
GGCTTGGATAGCGCGGGCCACAGGATGCCCGAGAGGTGAGCCAGAGCCATTGTGAGC
ACCGTGGCCAGGCTGAAAAGCTCCCTCGCACAGCCGATAGGAGATACTCAGAGCCCAGC
ATGCCATCTCCAGGAGTGCCTCGAGAGCCGGGTGACAAACCAAACTAACAAAGAGT
GAAGGGGACTTCCCCGTGCCCGGGTAGGCTCTCGTTTGGAAAGTGAGGAGGCTGAAGAC
CCATTTCCAGAGGAGGTCTTCCCTGCAGTGAAGGCAAAACCAAGAGGCCGGTGGACCTG
AAGATCAAGAACTTGGCCCCGGTTTCGGTGTCCCGCGGGCACTGGTTCTCAAAGCCTTC
TCCAGCAGCTCGCTGGACGCGTCTCTGACAGCTCGCCCGTGGCTTCTCCTTCCAGTCCC
AAAAGAAATTTCTTCCAGCAGACATCAGTCTTCCACACAAGACAGAGAAAGGCAAGCCC
AGCCGAGAAATAAAAAGCACTCCATGTCTTTCACCTTTGCCCTCACAAAAAGTGCTG
ACCAAAAACCTCAGCGCGGGCTCTGGGAAATCGCAAGACTTTACCAGGGACCACGTCCTG
AGGGGTGTCAGAAAGGAAAGCCAGCTTGCCGCGCAATCGTGCAGGAAATGGGTGTGAA
ACCCACAACCAACAGCCCGGGCTTCTGCCTGAGACCCACGCCCTCTCGGTGGATGAT
GTGTTCCAGGGAGCTGACTGGGAGAGGCCTGGAAGCCCACCTCTTATGAAGAGGCCATG
CAGGGCCCGGTAGCCAGACTAGTGGCCTCCGAGAGCCAGACCGTGGGGAGCATGACGGTG
GGGAGCATGAGGGCGAGGATGCTGGAGGCGCACTGCCTCCTACCCCTCTTCCACCTGCT
CACCACGTAGAGGACTCAAGACACAGGGGCAGCAAGAGCCACTCCCTGGCCACGGACTC
TCTCCCCTGCCTGAGCGATGGAACAGAGCAGAAGTGTCCATGCTTCTGGGGACTCTCTG
GGGCACGTGTCTGGCCAGGGAGACCTGAGCTCCTCCCGCTGAGGACCGTCTCCGAGTCC
GTGCAGAGGAATAAGCGGGACTGTCTCGTGCGACGATGTAGCCAGCCGGTCTTTGAGGCT
GACCAATTCGAATATGCCAAAGAATCGTATATTTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_054114 unedited GGGCNCCTCAAATTTTGTAAACGACTCACTTAGGGCGGCCGGAATTCGGCACGAGACC GGCTCGGTCTCTCTCTCCCAGTGGACTAGAAGGAGCAGAGAGTTATGCTGTTTCTCCC ATTCTTTACAGCTCACCGGATGTAAAAGAACTCTGGCTAGAGACCCTCCAAGGACAGAGG CACAGCCACACGGGAGTGAATCCACCCCTGGACAGTCAGCCGAATACTGATGAAGCTG AGAAGCAGCCACAATGCTTCAAAAACACTAAACGCCAATAATATGGAGACACTAATCGAA TGTCAATCAGAGGGTGATATCAAGGAACATCCCCTGTTGGCATCATGTGAGAGTGAAGAC AGTATTTGCCAGCTCATTGAAGTTAAGAAGAGAAAGAAGGTGCTGCTCCTGGCCCTTCTC ATGAGAAGGCTCTCCCCTGCATCAGATTTTCTGGGGCTTTGGAGACAGACTTGAAGCA TCGCTATTTGATCAGCCCTTGTCAATTATCTGCGGTGACAGTGACACACTCCCAGACCC ATCCAGGACATTCTCACTATTCTATGCCTTAAAGGGCCCTTCAACGGAAGGGATATTCAG GAGAGCAGCCAACGAGAAAGCCCGTAGGAGCTGAAGGAGGAGCTCAACTCTGGGGATGC GGTGGATCTGGAAGGCTCCCGTGCACCTNCTCGCTGTGGTCTTTAAGGACTTCCTCAGA AGTATCCCCCGGAGCTACTTTCAAGCGACCCTCTTGAGGAGTGGAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_054114
<b>Insert Size:</b>	3500 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_054114.3</a> , <a href="#">NP_473455.2</a>
<b>RefSeq Size:</b>	3363 bp
<b>RefSeq ORF:</b>	2196 bp
<b>Locus ID:</b>	117289
<b>UniProt ID:</b>	<a href="#">Q8N103</a>
<b>Cytogenetics:</b>	6q25.3
<b>Domains:</b>	RhoGAP

**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]

Transcript Variant: This variant (2) encodes the longest isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.