

Product datasheet for **SC306083**

TAGAP (NM_138810) Human Untagged Clone

Product data:

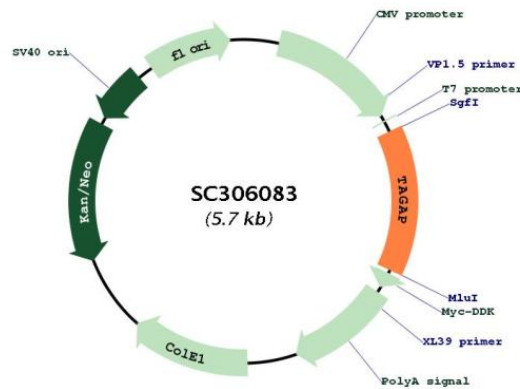
Product Type:	Expression Plasmids
Product Name:	TAGAP (NM_138810) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAGAP
Synonyms:	ARHGAP47; FKSG15; IDDM21; TAGAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306083 representing NM_138810. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCTGAGAAGCAGCCACAATGCTTCAAAAACACTAAACGCCAATAATATGGAGACTAATCGAA
TGTCATCAGAGGGTGATATCAAGGAACATCCCCTGTTGGCATCATGTGAGAGTGAAGACAGTATTTGC
CAGCTCATTGAAGTTAAGAAGAGAAAGAAGGTGCTGTCTGGCCCTTTCATGAGAAGGCTCTCCCCT
GCATCAGATTTTCTGGGGCTTTGGAGACAGACTTGAAGCATCGCTATTTGATCAGCCCTTGCAATT
ATCTGCGGTGACAGTGACACACTCCCAGACCCATCCAGGACATTCTCACTATTCTATGCCTTAAAGGC
CCTTCAACGGAAGGGATATTCAGGAGAGCAGCCAACGAGAAAGCCGTAAGGAGCTGAAGGAGGAGCTC
AACTCTGGGGATGCGGTGGATCTGGAGAGGCTCCCCTGCACCTCCTCGCTGTGGTCTTTAAGGACTTC
CTCAGAAGTATCCCCCGAAGCTACTTTCAAGCGACCTCTTTGAGGAGTGGATGGGTGCTCTGGAGATG
CAGGACGAGGAGGACAGAATCGAGGCCCTGAAACAGGTTGCAGATAAGCTCCCCCGGCCAACCTCCTG
CTACTCAAGCACTTGGTCTATGTGCTGCACCTCATCAGCAAGAACTCTGAGGTGAACAGGATGGACTCC
AGCAATCTGGCCATCTGCATTGGACCAACATGCTCACCTGGAGAATGACCAGAGCCTGTCAATTTGAA
GCCCAGAAGGACCTGAACAACAAGGTTTGTCTGCTTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_138810

Insert Size: 801 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_138810.3](#)

RefSeq Size: 1317 bp

RefSeq ORF: 801 bp

Locus ID: 117289

UniProt ID: [Q8N103](#)

Cytogenetics: 6q25.3

Domains: RhoGAP

MW: 30 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]
Transcript Variant: This variant (3) lacks several exons and its 3' terminal exon extends past a splice site that is used in variant 2. The encoded isoform (c) has a shorter and distinct C-terminus, compared to isoform b.