

Product datasheet for **SC102336**

TSGA14 (CEP41) (NM_018718) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSGA14 (CEP41) (NM_018718) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSGA14
Synonyms:	JBTS15; TSGA14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102336 sequence for NM_018718 edited (data generated by NextGen Sequencing)

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ATGTCCCTCCGGAGGCACATTGGGAACCTGAGTATCTGATGAAAAGGATACCACAGAAC
CCAAGATACCAGCATATCAAATCAAGACTGGACACTGGTAACAGTATGACTAAATATACT
GAGAAGCTCGAAGAGATTAAGAAAAATTATAGATACAAAAAGATGAGCTTTTCAAGAGA
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CTGGAAGTGACAGCTGAGGAGATTCAAAGGCTGGAAGACAATGATTCTGCAGCTTCAGAC
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GGTGCCCGAAGCGCTCAGAATCTGCCAGGTGGCGGCCCGCCAGCCACTCAAACCCCGC
TCCTCAGCAGTGGTCACCTGCAAGGCAAACCTGGAAGTAA
  
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Clone variation with respect to NM_018718.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018718 unedited
TTCAGGATTTGTATACGATTCATATAGGCGGCCGCGNAATTTCGCACGAGGGCTAGAACCC
CGACGTGGTTCGGTTGGAGAAAAATGTCCCTCCGGAGGCACATTGGGAACCCTGAGTATCT
GATGAAAAGGATACCACAGAACCAAGATACCAGCATATCAAATCAAGACTGGACACTGG
TAACAGTATGACTAAATATACTGAGAATCTCGAAGAGATTAAGAAAAATTATAGATACAA
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CAATGATTCTGCAGCTTCAGACCCTGATGCTGAAACCACTGCCAGGACCAATGGGAAAGG
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CTCCAGCCGCTCAACTCTTCAGAGTGTCATCAGTGGTGTGGGGAACCTGGATCTAGACAA
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CCTGCTGTAGATGTGCGTGATAGAGATTCTTACCAGCAGTGCCACATTGTTGGAGCTTA
CAGTTACCAATTGCAACTCTGTCTAGAACAAATGAACCTTATTCAAATGATATTCTTGA
ATATAAAATGCCCATGGCAAGATCATCATTCTGTATGACGATGATGAAAGGCTGGCCAG
TCAGGCGGNCACCACCATGTGCGAGCGTGGATTTGAAACCTCTCATGCTTCCGGAGGT
CTAAAGTCTTAGCTCAGAAAATCCCGGAGGACTGATTACTGGTTCCTGCCAGCATCTTG
CCAGCAGCCCTTCTNCTGGGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018718 unedited
CCCCGGGGGGCCCCCCCCNACCCTTCANNNNNAAAAANTTTACTTTGGACCGCGGNCCG
CATAACNAGGATCGAGTTTTTTTTTTTTTTTTTGGTGGCGAGAAAATATACTGTTAAGGC
AAATCTTACCCGTAGCAGTTACCAGCAGGACAGGCAATTTTTCAGTGGGCTTTTCAGAAG
CTGGTTGCCATGACAAAGAGCACAATTTATTCCTCAGTCCCTTATCACAGCTACGATCAC
AGACCATAAAAAATTAACACCGCTCTTTTCCATCTGATTTTCAGAGTTCTCATCTTACCT
GAGGCCTTTTGTCCCAATTAATGGAATGAATGTCAGTCATTTAGCAATTCAATTA
TGCTGATTCAAAATCCGGCCAAAACAGAAATCTATAATCACAATTCCTAATCAGATT
CAGTCATGAGAATGAAAAGTAAGCAGGAAATTGCACTAATTACTCAATTAGACTAATACT
GTATTTCTAAGCAAGGGCTTACGAGGTTGTCAGCCCTGACAAAGGACTTCGGAGTCTCT
TCACCTTGTGTGCCACAGTTGTCCAACCAAGCTGGTATTTTCACTGGCCATAATTTT
TGTCCTACTAACATGGATGGACTGAAGCTGGGCAATGGGCGTCATAACTGATATACTGAC
CACAAGTGAGGGCCGCTTTGGTGGGCTTCAGGGGCACAGGCCGGTGTGGTGGCCAGGGCT
TTCCCATGAGAAGCCCTNCTCCCCGGTGTGAAGACACCCACATGCATACCTTTCTGGCT
CCAGAAATATCTAGTAGGNGGAGCATTTCAGTGAGTGACAGCTACTTTCCTCATCTTT
CATTTTCAGGGAGTACACAGGCACTGGCTTTCATACTACAAACAGGGNCCTGCATATGCTG
GGGCAGAGAGCTCCTTGCTGAATGAGCTGCTGGGGTGGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_018718

Insert Size:

2660 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).

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:	<u>NM_018718.1, NP_061188.1</u>
RefSeq Size:	3526 bp
RefSeq ORF:	1122 bp
Locus ID:	95681
UniProt ID:	<u>Q9BYV8</u>
Cytogenetics:	7q32.2
Domains:	RHOD
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a centrosomal and microtubule-binding protein which is predicted to have two coiled-coil domains and a rhodanese domain. In human retinal pigment epithelial cells the protein localized to centrioles and cilia. Mutations in this gene have been associated with Joubert Syndrome 15; an autosomal recessive ciliopathy and neurological disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1; also known as long (L) type). 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.