

Product datasheet for **SC305866**

TSGA2 (RSPH1) (NM_080860) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSGA2 (RSPH1) (NM_080860) Human Untagged Clone
Tag: Tag Free
Symbol: TSGA2
Synonyms: CT79; RSP44; RSPH10A; TSA2; TSGA2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080860 edited
 CCACCTGCTAGAGGCGCTGCGGCTGTGATCCAGGCTGGGGCGAGACCATGTCGGACCTGG
 GCTCGGAGGAGTTGGAGGAGGAGGAGAGAATGATATTGGGGAATATGAGGGGGTCCGA
 ATGAGGCAGGCGAAAGGCACGGACGTGGGAGGGCACGGCTACCCAACGGGACACCTACG
 AAGGGAGCTACGAATTCGGTAAAAGACATGGCCAGGGATCTACAAATTTAAAAATGGTG
 CTCGATATATCGGAGAATATGTTAGAAATAAAAAGCACGGTCAAGGCACTTTTATATATC
 CAGATGGATCCAGATATGAAGGAGAGTGGGCAAATGACCTGCGGCACGGCCATGGCGTAT
 ACTACTACATCAATAATGACACCTACACTGGAGAGTGGTTTGCTCATCAAAGGCATGGGC
 AAGGCACCTATTTATACGCAGAGACGGGCAGTAAGTATGTTGGCACCTGGGTGAACGGAC
 AGCAGGAGGGCACGGCCGAGCTCATTACCTGAACCACAGGTACCAGGGCAAGTTCTTGA
 ACAAAAAATCCTGTTGGCCCTGGAAGTATGTATTTGATGTTGGGTGTGAACAACATGGTG
 AATATCGTTTAAACAGATATGAAAAGAGGAGAAGAGGAAGAGGAGGAAGAATTAGTAACTG
 TTGTTCCAAAATGAAAAGCTACCCAATCACTGAATTGGCCCTGTGGACCCAACCTCC
 CCAAAAAGCCGACCTCTACGGATGGACCTGGCCAAGACGCTCCAGGAGCTGAGAGTGCAG
 GAGAACCCTGGGGAGGAGGCCAGGCTCTGCTGGAGGGCTTCGAGGGTGAAGATGGACATGA
 GGCCTGGAGATGAAGATGCAGACGTCCTCCGGGAAGAGAGCCGGGAGTATGACCAGGAGG
 AGTTCCGCTATGACATGGATGAGGGAAACATTAATTCTGAAGAAGAAGAACTAGACAGT
 CAGACCTCCAGGACTAAGATGAAGTGAGCCGAGAGGAGATCGTATCATAAGAATGCTTCT
 GTCGTTAGCCGGTGCAGTGCTG

Restriction Sites: Please inquire
ACCN: NM_080860
Insert Size: 1000 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_080860.2, NP_543136.1</p>
RefSeq Size:	<p>1382 bp</p>
RefSeq ORF:	<p>930 bp</p>
Locus ID:	<p>89765</p>
UniProt ID:	<p>Q8WYR4</p>
Cytogenetics:	<p>21q22.3</p>
Gene Summary:	<p>This gene encodes a male meiotic metaphase chromosome-associated acidic protein. This gene is expressed in tissues with motile cilia or flagella, including the trachea, lungs, airway brushings, and testes. Mutations in this gene result in primary ciliary dyskinesia-24. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer isoform (1).</p>