

## Product datasheet for **SC334962**

### TSGA2 (RSPH1) (NM\_001286506) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSGA2 (RSPH1) (NM_001286506) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSGA2
Synonyms:	CT79; RSP44; RSPH10A; TSA2; TSGA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286506, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGACCTGGGCTCGGAGGAGTTGGAGGAGGAGGAGAGAATGATATTGGGGGGATCTACAAATTTA
AAAATGGTGCTCGATATATCGGAGAATATGTTAGAAATAAAAAGCACGGTCAAGGCACCTTTATATATCC
AGATGGATCCAGATATGAAGGAGAGTGGGCAAATGACCTGCGGCACGGCCATGGCGTATACTACTACATC
AATAATGACACCTACACTGGAGAGTGGTTTGTCTCATCAAAGGCATGGGCAAGGCACCTATTTATACGCGG
AGACGGGCAGTAAGTATGTTGGCACCTGGGTGAACGGACAGCAGGAGGGCACGGCCGAGCTCATTACCT
GAACCACAGGTACCAGGGCAAGTCTTGAACAAAAATCCTGTTGGCCCTGAAAGTATGTATTTGATGTT
GGGTGTGAACAACATGGTGAATATCGTTTAAACAGATATGGAAAGAGGAGAAGAGGAAGAGGAGGAAGAAT
TAGTAACTGTTGTTCCAAAATGGAAAGCTACCCAAATCACTGAATTGGCCCTGTGGACACCAACTCTCCC
CAAAAAGCCGACCTCTACGGATGGACCTGGCCAAGACGCTCCAGGAGCTGAGAGTGCAGGAGAACCCTGGG
GAGGAGGCCAGGCTCTGCTGGAGGGCTTCGAGGGTGAGATGGACATGAGGCCTGGAGATGAAGATGCAG
ACGTCCTCCGGGAAGAGACCCGGGAGTATGACCAGGAGGAGTTCCGCTATGACATGGATGAGGGAACAT
TAATTCTGAAGAAGAAGAAACTAGACAGTCAGACCTCCAGGACTAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286506
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).



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<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>	<u>NM_001286506.1</u> , <u>NP_001273435.1</u>
<b>RefSeq Size:</b>	1331 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	89765
<b>UniProt ID:</b>	<u>Q8WYR4</u>
<b>Cytogenetics:</b>	21q22.3
<b>Gene Summary:</b>	<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 (2) lacks an in-frame coding exon compared to variant 1. The resulting shorter isoform (2) lacks an internal protein segment compared to isoform 1.</p>