

Product datasheet for **SC307535**

TSGA10 (NM_182911) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSGA10 (NM_182911) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSGA10
Synonyms:	CEP4L; CT79; SPGF26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307535 representing NM_182911.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCGAAGTAGGTCTAAAAGTCCAAGACGCCCATCACCAACTGCCCGGGGTGCAAACTGTGATGTA
GAACTTTTGAAGACAACAACAAGAGATCGTGAAGAACTTAAATGCATGCTGGAAAAATATGAGCGCCAT
TTGGCAGAAATTCAGGGTAATGTCAAGGTTCTTAAATCTGAGAGAGACAAGATCTTCCTTCTTTATGAA
CAGGCACAGGAAGAAATTACCCGACTTCGACGAGAAATGATGAAAAGCTGTAAGAGTCTTAAATCAACA
ACGGCACATGCTATTCTCCGGCGAGTGGAGACTGAAAGAGATGTAGCCTTTACTGATTTACGAAGAATG
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CACCTGGAACAAAGGATAGAGGAGCTGGAGTGTACAGTTCATAATCTTGATGATGAACGTATGGAGCAA
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CATAAATCTGTTGTAATAATGGAAGAGGAGCTTCAGAAGGTTCAAGTTTGAAGAGTGTCCGCTCTTGCA
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GTTGCTAAAGATCAAGAAATAGAAATGAGGGAGAATGAGTTAGATTCTGCTCATTCTGAAATTGAACTC
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GACAAAGAATATCAGTCTCAGATAGCACTTCAAGAAAAAGAACTGAAATTCAGCTTCTTAAGAACAC
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GTACAAGAACTTCGCCGCCAAAATTATTCAAGTAATGCTTATCATATGAGTTCTACAATGAAGCCAAAT
ACAAAATGTCAATCACCAGAACGTGCTCACCATCGATCTCCTGACCGAGGCTTAGATCGATCATTAGAA
GAGAATCTTTGCTACAGAGATTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_182911
Insert Size: 2097 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:	<u>NM_182911.3</u>
RefSeq Size:	3664 bp
RefSeq ORF:	2097 bp
Locus ID:	80705
UniProt ID:	<u>Q9BZW7</u>
Cytogenetics:	2q11.2
MW:	81.4 kDa
Gene Summary:	Plays a role in spermatogenesis (PubMed:28905369). When overexpressed, prevents nuclear localization of HIF1A (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-3 encode the same isoform (1). 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.