

Product datasheet for **MC228685**

Tsga10 (NM_001290721) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsga10 (NM_001290721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tsga10
Synonyms:	4933432N21Rik; AI843383; Gm217; Mtsga10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228685 representing NM_001290721
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAGAAATAGATCTAAGAGTCCGAGACGCCCATCGCCAACCTCCCGGGCTGCAAACGTGATGTAG
 AGCTTTTGAAGTCAACTGCAAGAGACCGTGAAGAGCTAAAGTGTATGCTGGAAAAATATGAACGTCAATTT
 GGCAGAAATCCAGGGCAACGTC AAGGTTCTCACATCTGAGAGAGACAAGACCTTCTCTTTATGAGCAG
 GCACAGGAAGAAATTGCTCGACTTCGACGAGAAATGATGAAAAGCTGTAAGTCTCCTAAGTCAACCCACAG
 CACATGCTATTCTTCGTCGGGTAGAGACGGAGAGAGATGTAGCCTTCACTGACCTACGAAGAATGACCAC
 AGAGCGAGACAGTCTGAGAGAAAGGCTCAAGATTGCTCAAGAGACAGCGTTCAACGAGAAGGCTCACTTG
 GAACAGCGGATAGAGGAGCTGGAGTGCACAGTTCACAACCTTGATGATGAGCGCATGGAACAGATGGCAA
 ACATGACTTTGATGAAGGAAACCATAACCACTGTGAAAAAGAAATGAAATCATTAGCAAGAAAGGCAAT
 GGACACCGAGAGTGAGCTTGGCAGACAAAAGCAGAGAATAATTCTTTGAGACTTTTATATGAAAACACA
 GAAAAAGATCTCTGATCTCAGCGACATCTTGCTAAGAAAAATATGAGCTACAGCTTACTCAGGAGA
 AAATTATGTGCTTGATGAAAAATTGATAATTTACGAGGCAAAATATTGCACAGCGAGAAGAAATCAG
 CATTCTTGGTGCAACCCTCAATGACCTGGCTAAAGAAAAGGAATGCCTGCAAGCGTGTCTGGATAAAAAAG
 TCTGAGAACATTGCATCCCTTGGCGAGAGCTTGGCAATGAAAGAAAAAACATTTTCAGGCATGAAGAATA
 TCATTGCTGAGATGGAACAGGCATCAAGACAGTCTACTGAAGCCCTCATTATGTGCGAACAAAGATATTTT
 CAGGATGCGCCGGCAGTTGGACGAGACAAATGATGAGCTGGGTGAGATTGCCAGGGAGAGAGATATCTTG
 GCTCATGAGAATGACAATCTTCAAGAACAGTTTGCCAAAGTCAAACAAGAAAACAGGCACTGTCCAAAA
 AACTGAATGATACTCATAACGAACCTCAGTGACATAAAGCAGAAGGTCCAGGACCGAATCTGGAGTTAA
 CAAGTTGAAGAACATATTAAGTCTGAGGAATCTGAGAACC GGCAATAATGGAACAACCTCCGAAAAGCC
 AATGAAGATGCTGAAAACCTGGGAAAATAAGGCCCGCCAGACAGAGGCAGAAAAACAACCCCTCAAACCTGG
 AACTTATCACTGCTGAAGCAGAGGGCAACAGATTAAGGAAAAAGTTGATGCCCTAACAGAGAGTTGA
 GCAACACCTAAACGCAGAGCGCTCTTACAAATCCAGATTGCAACTTTACACAAGTCTCTTGTGAAGATG
 GAGGAGGAGCTT CAGAAGGTT CAGTTT GAGAAGGTGTCTGCTCTCGCAGATTTGTCTTCCACAAGGGAAC
 TCTGCATAAAAACCTCGACTCAAGCAAAGA ACTTCTTAATCGACAGCTGGTTGCCAAAGATCAGGAAATAGA
 AATGATGGAGAATGAGCTGGACTCAGCGCGCTCTGAAATTGAACTGCTCCGGAGTCAGATGACAAACGAG
 AGGATCTCCATGCAGAATCTCGAGGCTCTGCTGGTGGCCAACCGGACAAAGAGTACCAGTCTCAGATAG
 CACTGCAGGAAAAGGAGTCTGAGATCCAGTTGCTGAAGGAGCACCTCTGCCTGGCTGAGAACAAAATGGC
 CATCCAGAGCAGAGACGTGGCACAGTTCAGAAATGTTGTAAACGCAGTTAGAAGCAGATTTGGACATTACC
 AAAAGGCAACTCGGGACAGAACGTTTTGAAAGGGAAAAGGGCTGTCCAAGA ACTTCGCCGCCAGAATTACT
 CAAGCAATGCCTATAATTTGGGTCCAATGAAGCCAATACAAAATGCCACTCACCAGAGCGTGCTCACCA
 TCGATCTCTGACCGAGGCTCGACCGATCATTGGAAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290721

Insert Size: 2073 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<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:	<u>NM_001290721.1</u> , <u>NP_001277650.1</u>
RefSeq Size:	2723 bp
RefSeq ORF:	2073 bp
Locus ID:	211484
UniProt ID:	<u>Q6NY15</u>
Cytogenetics:	1 B
Gene Summary:	<p>Plays a role in spermatogenesis (PubMed:14585816). When overexpressed, prevents nuclear localization of HIF1A (PubMed:16777103).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and has an alternate 3' structure and 3' terminal exon, compared to variant 1. The encoded protein (isoform 3) has a shorter and distinct C-terminus, compared to 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.</p>