

## Product datasheet for **MC228499**

### **Tsga10 (NM\_001290720) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tsga10 (NM_001290720) 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:** >MC228499 representing NM\_001290720  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGAGAAATAGATCTAAGAGTCCGAGACGCCCATCGCCAACCTCCCGGGCTGCAAACGTGTGATGTAG  
 AGCTTTTGAAGTCAACTGCAAGAGACCGTGAAGAGCTAAAGTGTATGCTGGAAAAATATGAACGTCAATTT  
 GGCAGAAATCCAGGGCAACGTCAAGGTTCTCACATCTGAGAGAGACAAGACCTTCTCTTTATGAGCAG  
 GCACAGGAAGAAATTGCTCGACTTCGACGAGAAATGATGAAAAGCTGTAAGTCTCCTAAGTCAACCCACAG  
 CACATGCTATTCTTCGTCGGGTAGAGACGGAGAGAGATGTAGCCTTCACTGACCTACGAAGAATGACCAC  
 AGAGCGAGACAGTCTGAGAGAAAGGCTCAAGATTGCTCAAGAGACAGCGTTCAACGAGAAGGCTCACTTG  
 GAACAGCGGATAGAGGAGCTGGAGTGCACAGTTCACAACCTTGATGATGAGCGCATGGAACAGATGGCAA  
 ACATGACTTTGATGAAGGAAACCATAACCACTGTGAAAAAGAAATGAAATCATTAGCAAGAAAGGCAAT  
 GGACCCGAGAGTGAAGTGGCAGACAAAAGCAGAGAATAATTCTTTGAGACTTTTATATGAAAACACA  
 GAAAAAGATCTCTGATCTCAGCGACATCTTGCTAAGAAAAATATGAGCTACAGCTTACTCAGGAGA  
 AATTATGTGCTTGATGAAAAATTGATAATTTACGAGGCAAAATATTGCACAGCGAGAAGAAATCAG  
 CATTCTTGGTGC AACCTCAATGACCTGGCTAAAGAAAAGGAATGCCTGCAAGCGTGTCTGGATAAAAAAG  
 TCTGAGAACATTGCATCCCTTGGCGAGAGCTTGGCAATGAAAGAAAAAACCATTTTCAGGCATGAAGAATA  
 TCATTGCTGAGATGGAACAGGCATCAAGACAGTCTACTGAAGCCCTCATTATGTGCGAACAAAGATATTTT  
 CAGGATGCGCCGGCAGTTGGACGAGACAAATGATGAGCTGGGTGAGATTGCCAGGGAGAGAGATATCTTG  
 GCTCATGAGAATGACAATCTTCAAGAACAGTTTCCAAAGTCAAACAAGAAAACCAGGCACTGTCCAAAA  
 AACTGATGATACTCATAACGAACCTCAGTGACATAAAGCAGAAGGTCCAGGACACGAATCTGGAGGTTAA  
 CAAGTTGAAGAACATATTTAAAGTCTGAGGAATCTGAGAACC GGCAATAATGGAACAACCTCCGAAAAGCC  
 AATGAAGATGCTGAAAACCTGGGAAAATAAGGCCCGCCAGACAGAGGCAGAAAACAACACCCTCAAACCTGG  
 AACTTATCACTGCTGAAGCAGAGGGCAACAGATTAAGGAAAAAGTTGATGCCCTAACAGAGAGGTTGA  
 GCAAAATGGAGAATGAGCTGGACTCAGCGCCTCTGAAATTGAACTGCTCCGGAGTCAAGTACAAACGAG  
 AGGATCTCCATGCAGAATCTCGAGGCTCTGCTGGTGGCCAACCGGGACAAAGAGTACCAGTCTCAGATAG  
 CACTGCAGGAAAAGGAGTCTGAGATCCAGTTGCTGAAGGAGCACCTCTGCCTGGTGAGAACAAAATGGC  
 CATCCAGAGCAGAGACGTGGCACAGTTCAGAAAATGTTGTAAACGAGTTAGAAGCAGATTTGGACATTACC  
 AAAAGGCAACTCGGGACAGAACGTTTTGAAAGGAAAAGGCTGTCCAAGAACTTCGCCGCCAGAATTACT  
 CAAGCAATGCCTATAATTTGGGTCCAATGAAGCCAAATACAAAATGCCACTCACCAGAGCGTGCTACCA  
 TCGATCTCCTGACCGAGGCCCTGACCGATCATTGGAAGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001290720
- Insert Size:** 1863 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:**

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:** [NM\\_001290720.1](#), [NP\\_001277649.1](#)

**RefSeq Size:** 2706 bp

**RefSeq ORF:** 1863 bp

**Locus ID:** 211484

**UniProt ID:** [Q6NY15](#)

**Cytogenetics:** 1 B

**Gene Summary:** Plays a role in spermatogenesis (PubMed:14585816). When overexpressed, prevents nuclear localization of HIF1A (PubMed:16777103).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) has an alternate 3' structure and 3' terminal exon, compared to variant 1. The encoded protein (isoform 2) has a shorter and distinct C-terminus, compared to isoform 1.