

## Product datasheet for MC213113

### Tor1aip2 (NM\_001160181) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tor1aip2 (NM\_001160181) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tor1aip2  
**Synonyms:** 15kDa; 1110020D10Rik; A130072J07; AA103493; AW060462; AW610675; C77739; Ifrg15; Lull1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC213113 representing NM\_001160181  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTCTCCGATAATTCACACTGCCCTGATTGTGGGCAGCAGTGGTTCCTAGTTAGAACTAGGGCACT  
 GGTGTACCAAAGTGAATTTGTTGAAAATGAATGTTACCAAGTGTCTTAGACCGTATTAACAGGGCTGA  
 CTACTGCCCTGAGTGTACCTGACAATCCTGCTAATAGAAGCCTTGTCTGCCTTGGTCTTTCCCACTT  
 GAGTGGGCACCTCAAATCTTACCAGGTGGACCTTTGAAAAGCTTGCCATCCATTTCTTCTGGGTCTCT  
 CACTGGTTAGAAAAAGATACATGACTCCAGGGTAGCTGGCTTTAATCCTGCATTACAATTAATTTGTG  
 CAGAACAGACAAAACCTTAAACAAGAACTTGGCCAAAGCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001160181  
**Insert Size:** 396 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).  
**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).



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**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\\_001160181.1](#), [NP\\_001153653.1](#)

**RefSeq Size:** 2645 bp

**RefSeq ORF:** 396 bp

**Locus ID:** 240832

**UniProt ID:** [Q9ER81](#)

**Cytogenetics:** 1 G3

**Gene Summary:** Required for endoplasmic reticulum integrity. Regulates the distribution of TOR1A between the endoplasmic reticulum and the nuclear envelope as well as induces TOR1A, TOR1B and TOR3A ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) shares a portion of its 5' UTR, but uses a completely different set of coding exons compared to variant 5. Variant 3 encodes a shorter protein (interferon alpha responsive protein), which is distinct from torsin A interacting protein 2). Variants 1-4 encode the same protein (isoform a).