

## Product datasheet for MR224305

### Tor1aip2 (NM\_001160181) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tor1aip2 (NM\_001160181) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tor1aip2  
**Synonyms:** 15kDa; 1110020D10Rik; A130072J07; AA103493; AW060462; AW610675; C77739; Ifrg15; Lull1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224305 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTCCGATAATTCACACTGCCCTGATTGTGGGCAGCAGTGGTTCCTAGTTAGAACTAGGGCACT  
GGTTGTACCAAAGTGAATGTTGAAAATGAATGTTACCAAGTGTCTTAGACCGTATTAACAGGGCTGA  
CTACTGCCCTGAGTGTTACCCTGACAATCCTGCTAATAGAAGCCTGTTCTGCCTGGTCTTTCCCACTT  
GAGTGGGCACCTCAAAATCTTACCAGGTGGACCTTTGAAAAGCTTGCCATCCATTTCTTCTGGTCCCTC  
CACTGGTTAGAAAAAGATACATGACTCCAGGGTAGCTGGCTTTAATCCTGCATTACAATTAATTTGTC  
CAGAACAGACAAAACCTTAAACAAGAACTTGGCCAAAGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224305 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MFSDNSHCPDCGQWFPSLELGHWLYQTELVENECYQVFLDRINRADYCEPCYPDNPANRSLVLPWSPFL  
EWAPQNLTRWTFEKACHPFLGPPVLRKKIHDSRVAGFNPALQLILSRTDKTLNKKLGQSK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_001160181

**ORF Size:** 396 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

**RefSeq Size:** 2645 bp

**RefSeq ORF:** 396 bp

**Locus ID:** 240832

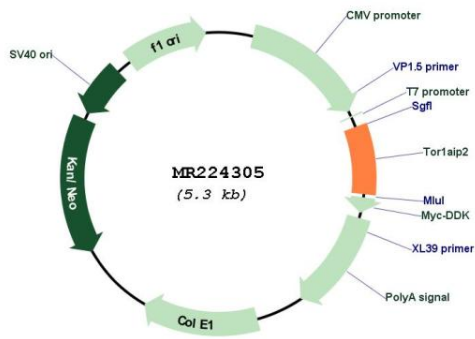
UniProt ID: Q9ER81

Cytogenetics: 1 G3

MW: 15.3 kDa

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]

**Product images:**



Circular map for MR224305