

Product datasheet for MG200751

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

CN: techsupport@origene.cn

Tor1aip2 (NM_022329) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tor1aip2 (NM_022329) Mouse Tagged ORF Clone

Tag: TurboGFP Symbol: Tor1aip2

Synonyms: 15kDa; 1110020D10Rik; A130072J07; AA103493; AW060462; AW610675; C77739; Ifrg15; Lull1

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200751 representing NM_022329

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CAGAACAGACAAACCTTAAACAAGAAACTTGGCCAAAGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200751 representing NM_022329

Red=Cloning site Green=Tags(s)

MFSDNSHCPDCGQQWFPSLELGHWLYQTELVENECYQVFLDRINRADYCPECYPDNPANRSLVLPWSFPL

EWAPONLTRWTFEKACHPFLLGPPLVRKKIHDSRVAGFNPALQLILSRTDKTLNKKLGQSK

TRTRPLE - GFP Tag - V

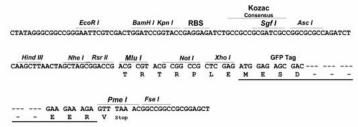
Restriction Sites: Sgfl-Mlul



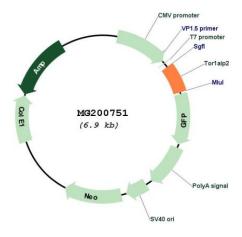


Cloning Scheme:





Plasmid Map:



ACCN: NM_022329

ORF Size: 393 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



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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: <u>NM 022329.4</u>, <u>NP 071724.1</u>

RefSeq Size: 2530 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]