

Product datasheet for **SC331281**

TOR1AIP2 (NM_001199260) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOR1AIP2 (NM_001199260) Human Untagged Clone
Tag: Tag Free
Symbol: TOR1AIP2
Synonyms: IFRG15; LULL1; NET9
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331281 representing NM_001199260.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGACAGTGGACTTAGGGAACCTCAAGAGGACTCTCAAAGGATTTGAAAATGATCCATCAGTA
AATTCTCAGGCGCAGGAGACCACAATCATAGCAAGTAATGCTGAAGAAGCTGAGATCCTACACTCTGCC
TGTGGTCTTAGCAAAGACCACCAAGAGGTAGAGACAGAAGGTCCAGAAAGTGCAGATACAGGTGATAAA
TCAGAAAGTCCAGATGAAGCAAATGTGGGAAACATCAAAGGATAAAACAGAAGATGAGAAACAAGCAG
AGTTTTCTGGATGGCGAAAAGGGCATCACCTCCCTTCAGAAAATCTGGGTAAGAACCCTTGGATCCA
GATCCCAGCCATTCTCCAAGTGACAAGGTAGGAAGAGCAGATGCACACTTAGGGAGCAGCTCTGTGGCC
CTCCCTAAGGAAGCGAGTGACGGAAGTGGAGCATCTCAGGAACCACCTACTACAGACTCCCAGGAGGCC
CAGAGTCTGGTCAATCCAGTGCAGGGCAAGAGGGTGAGGATACACTGAGGAGGCGACTGCTGGCCCA
GAGGCTGGAAGTCATCCACAACAAACACAAAAATTGGAAGAAATTAAGAGAATGCACAGGACACCATG
AGACAGATTAATAAAAAGGGTTTTGGAGCTATGGCCCTGTGATTCTTGTCTCGTCTGGTTGTGGCTGTT
GTGGCAAGTCTGTGAATAGCTACTATTCCTCTCCAGCCAGCAAGTGCCCAAAAATCCAGCTTTGGAG
GCCTTTTTGGCCAGTTTAGCCAATTGGAAGATAAATTTCCAGGCCAGAGTTCCTTCCTGTGGCAGAGA
GGACGGAAGTTTCTCAGAAGCACCTCAATGCTTCCAACCCACTGAGCCAGCCACCATCATATTTACA
GCAGCTCGGGAGGGAAGAGAGACCCTGAAGTGCCTGAGCCACCATGTTGCAGATGCCTACACCTCTCC
CAGAAAAGTCTCTCCATTAGATTGATGGGGCTGGAAGGACCTGGCAGGACAGTGACACGGTCAAGCTG
TTGGTTGACCTGGAGCTGAGCTATGGGTTTGAATGGCCAGAAGGCTGCTGTGGTACACCACTTCGAA
TCCTTCCCTGCCGCTCCACTTTGATCTTCTATAAGTATTGTGATCATGAGAATGCTGCCTTTAAAGAT
GTGGCCCTGGTCTGACTGTTCTGCTAGAGGAGGAAACATTAGAAGCAAGTGTAGGCCAAAGGAAACG
GAAGAAAAAGTGAGAGACTTACTCTGGGCAAGTTTACCAACTCTGACACTCCCACCTCCTTCAACCAC
ATGGACTCAGACAAATTGAGTGGGCTGTGGAGCCGAATTCACACCTGGTACTGCCAGTCCAGCCAGTG
AGTAGCATAGAAGAACAGGGGTGCCTTTCTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001199260
Insert Size: 1413 bp



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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).
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_001199260.1</u>
RefSeq Size:	8331 bp
RefSeq ORF:	1413 bp
Locus ID:	163590
UniProt ID:	<u>Q8NFO8</u>
Cytogenetics:	1q25.2
Protein Families:	Transmembrane
MW:	51.3 kDa
Gene Summary:	<p>One of the two protein isoforms encoded by this gene is a type II integral membrane protein found in the endoplasmic reticulum (ER). The encoded protein is a cofactor for the ATPase TorsinA, regulating the amount of TorsinA present in the ER compared to that found in the nuclear envelope. Defects in this protein are a cause of early onset primary dystonia, a neuromuscular disease. The other isoform encoded by this gene is an interferon alpha responsive protein whose cellular role has yet to be determined. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (3) contains the same 5' non-coding exons, but has a completely different set of coding exons compared to variant 1. This results in a longer isoform b (torsin-1A-interacting protein 2) distinct from isoform a, referred to as interferon alpha responsive protein.</p>