

Product datasheet for **SC338099**

RICTOR (NM_001285439) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RICTOR (NM_001285439) Human Untagged Clone
Tag:	Tag Free
Symbol:	RICTOR
Synonyms:	AVO3; hAVO3; PIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001285439, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGATCGGCCGCGGCCGCTCTCTGAAGAACCTCCGAGTACGAGGGCGGAATGACAGCGGCGAGG
AGAACGTCCCCTGGATCTGACCCGAGAACCTTCTGATACTTAAGAGAGATTCTCCAAAATGTGGCCAG
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CCTTCAACATAAAGAGAATCTTGAATGGAATTGGAATCTTATAGGGACCATTCTTAAGTGGCCAAATGTA
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 ACAAAAAACATACCACCACATGATGATCGAGGTGCAAGAGCATTGCCCCATGATGCAGGAGGTTCCAT
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 TACAGTTTCTACAAATGCATGAAGAAGCAGAGGCTGTGTTGGCAACACCACCAAGCAACCTATAGTTGA
 TACATCTGCTGAATCC**TGA**

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001285439
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_001285439.1</u> , <u>NP_001272368.1</u>
RefSeq Size:	9629 bp
RefSeq ORF:	5199 bp
Locus ID:	253260
UniProt ID:	<u>Q6R327</u>
Cytogenetics:	5p13.1
Protein Pathways:	mTOR signaling pathway
Gene Summary:	<p>RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbassov et al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) contains an additional in-frame coding exon compared to variant 1. The resulting longer isoform (2) has an internal protein segment not found in isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>