

Product datasheet for **RG240129**

RICTOR (NM_001285440) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RICTOR (NM_001285440) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RICTOR
Synonyms:	AVO3; hAVO3; PIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240129 representing NM_001285440. Blue=ORF Red=Cloning site Green=Tag(s)

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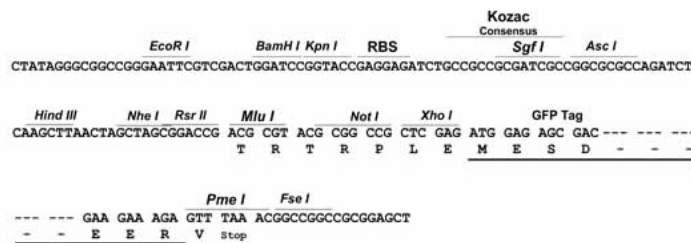
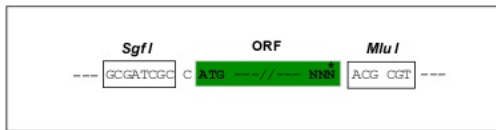
Protein Sequence: >Peptide sequence encoded by RG240129
 Blue=ORF Red=Cloning site Green=Tag(s)

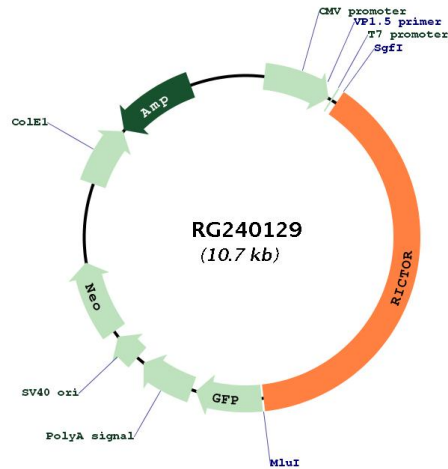
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN:	NM_001285440
ORF Size:	4155 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).
RefSeq:	NM_001285440.1 , NP_001272369.1

RefSeq Size:	9441 bp
RefSeq ORF:	4158 bp
Locus ID:	253260
UniProt ID:	Q6R327
Cytogenetics:	5p13.1
Protein Pathways:	mTOR signaling pathway
MW:	156.3 kDa
Gene Summary:	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]