

Product datasheet for **MG211911**

BC033915 (BC063268) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC033915 (BC063268) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BC033915
Synonyms:	5730525O22Rik; 9030204A07Rik; AI447252; AI846254; AI849445; mKIAA0999; Qsk; SIK-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211911 representing BC063268 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GCAAGCCGGCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211911 representing BC063268
Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

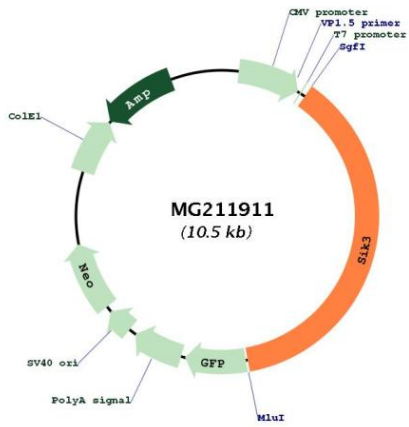


ACCN: BC063268

ORF Size: 3933 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:	<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:	BC063268.1
RefSeq Size:	6099 bp
RefSeq ORF:	3935 bp
Locus ID:	70661
Cytogenetics:	9 A5.2
Gene Summary:	Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor (By similarity). Required for chondrocyte hypertrophy during skeletogenesis (PubMed:22318228). Negatively regulates cAMP signaling pathway possibly by acting on CRTC2/TORC2 and CRTC3/TORC3 (By similarity). Prevents HDAC4 translocation to the nucleus (PubMed:22318228).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211911