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

Product datasheet for RG215971

ZNF239 (NM_001099282) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF239 (NM_001099282) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF239
Synonyms:	HOK-2; MOK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG215971 representing NM_001099282
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGTACAATTACTGGAAGTCAGGATTGTATTGTGAATCATCGAGGGGAAGTGGATGGGGAGCCTG
AACTAGATATTTCCCCTTGTCAACAGTGGGGAGAAGCATCTTCTCCTATTTCCAGAAACAGGGACAGTGT
GATGACTCTTCAAAGTGGTTGTTTCGAAAACATTGAAAGTGAAACATATTTGCCTTTGAAAGTCTCAAGC
CAAATAGACACACAAGACTCTTCAGTGAAGTTCTGTAAGAATGAGCCTCAGGATCATCAGGAAAGCAGAC
GTCTCTTTGTAATGGAAGAAAGCACTGAGAGAAAAGTGATAAAGGGGGAAAGTTGTTCAGAGAACCTTCA
AGTTAAACTGGTGTCTGATGGACAAGAACTGGCCTCGCCATTGTTAAATGGTGAGGCAACTTGCCAGAAT
GGCCAGTTAAAAGAATCTTTGGATCCCATTGACTGTAACTGCAAAGACATTCATGGATGGAAATCACAGG
TGGTCAGTTGTAGTCAGCAGAGAGCTCATACAGAGGAGAAACCCTGTGACCATAATAACTGTGGGAAAAT
ACTTAACACCAGCCCAGATGGTCATCCATATGAGAAAATCCACACTGCAGAGAAACAATACGAATGTAGT
CAGTGTGGTAAGAACTTCAGTCAAAGCTCAGAGCTACTACTTCATCAGAGAGACCACACAGAAGAAAAAC
CCTACAAATGTGAGCAATGTGGGAAGGGCTTCACAAGGAGCTCGAGTCTGCTTATCCATCAGGCAGTCCA
CACAGATGAGAAGCCTTATAAGTGTGACAAGTGTGGGAAGGGCTTCACCAGGAGCTCAAGTCTGCTCATC
CATCATGCCGTCCATACAGGCGAAAAACCTTATAAATGTGACAAGTGTGGGAAGGGCTTTAGTCAGAGCT
CCAAACTGCACATCCACCAGCGAGTCCACACTGGAGAGAAGCCCTATGAGTGTGAGGAGTGTGGTATGAG
CTTCAGTCAGCGCTCAAACCTGCACATCCACCAGCGAGTACACACAGGAGAGAGGCCCTACAAGTGTGGT
GAGTGTGGGAAGGGCTTCAGTCAGAGCTCGAACCTTCACATTCACCGGTGCATCCACACAGGAGAGAAGC
CTTACCAATGCTATGAGTGTGGGAAGGGTTTCAGCCAGAGCTCGGATCTTCGCATCCATCTCAGAGTCCA
CACTGGAGAGAAGCCCTATCACTGTGGCAAGTGTGGGAAGGGATTTAGCCAGAGTTCCAAACTCCTCATC
CACCAGAGAGTACATACTGGAGAGAAGCCCTATGAGTGCAGCAAGTGTGGGAAGGGCTTCAGCCAGAGCT
CCAACCTTCACATCCACCAGCGGGTTCACAAGAAAGATCCTCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

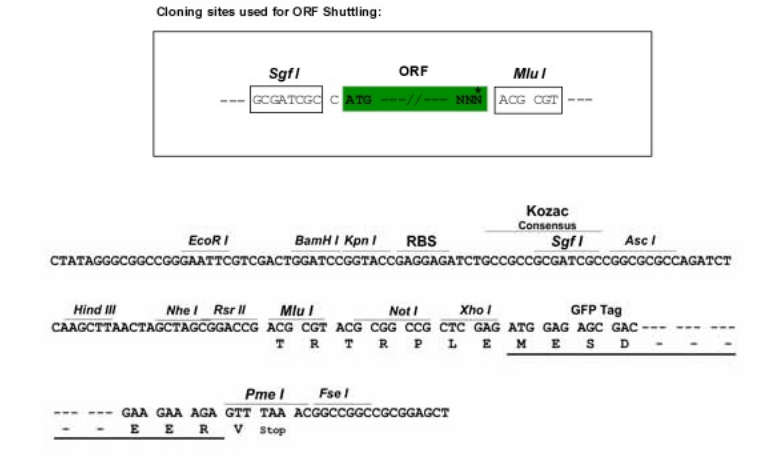
>RG215971 representing NM_001099282
Red=Cloning site Green=Tags(s)

MASTITGSQDCIVNHRGEVDGEPELDISPCQQWGEASSPISRNRDSVMTLQSGCFENIESETYLPLKVSS
QIDTQDSSVKFCKNEPQDHQESRRLFVMEESTERKVIKGESCSENLQVKLVSDGQELASPLLNGEATCQN
GQLKESLDPIDCNCKDIHGWKSQVVSCSQQRAHTEEKPCDHNNCGKILNTSPDGHPYEKIHTAEKQYECS
QCGKNFSQSSELLLHQRDHTEEKPYKCEQCGKGFTRSSSLLIHQAVHTDEKPYKCDKCGKGFTRSSSLLI
HHAVHTGEKPYKCDKCGKGFSQSSKLHIHQRVHTGEKPYECEECGMSFSQRSNLHIHQRVHTGERPYKCG
ECGKGFSQSSNLHIHRCIHTGEKPYQCYECGKGFSQSSDLRIHLRVHTGEKPYHCGKCGKGFSQSSKLLI
HQRVHTGEKPYECSKCGKGFSQSSNLHIHQRVHKKDPR

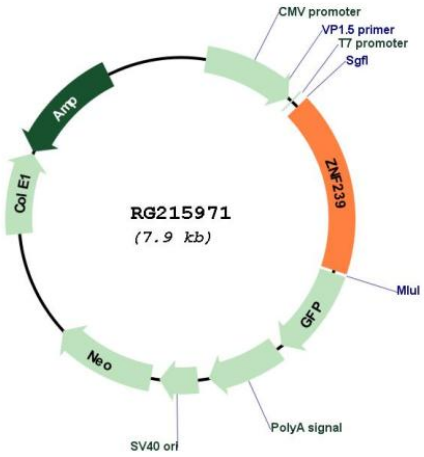
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001099282

ORF Size: 1374 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:	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:	NM_001099282.2
RefSeq Size:	2087 bp
RefSeq ORF:	1377 bp
Locus ID:	8187
UniProt ID:	Q16600
Cytogenetics:	10q11.21
Protein Families:	Transcription Factors
Gene Summary:	MOK2 proteins are DNA- and RNA-binding proteins that are mainly associated with nuclear RNP components, including the nucleoli and extranucleolar structures (Arranz et al., 1997 [PubMed 9121460]).[supplied by OMIM, Mar 2008]