

Product datasheet for **RG239952**

ERC1 (NM_001301248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERC1 (NM_001301248) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERC1
Synonyms:	Cast2; ELKS; ERC-1; RAB6IP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239952 representing NM_001301248. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGTATGGAAGTGCCCGCTCTGTTGGGAAGGTGGAGCCGAGCAGCCAGAGCCCTGGGCGTTCACCCAGG
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 GCTTGGGAGAATGAGCTGCAAGAAGTACCCGGGGCAGAAATCCGTTGCATCCAAAGCCATGAAAAA
 CTGCCTTTTTTCATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239952
 Blue=ORF Red=Cloning site Green=Tag(s)

MYGSARVSGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTLSMENIQSLNAAYATS
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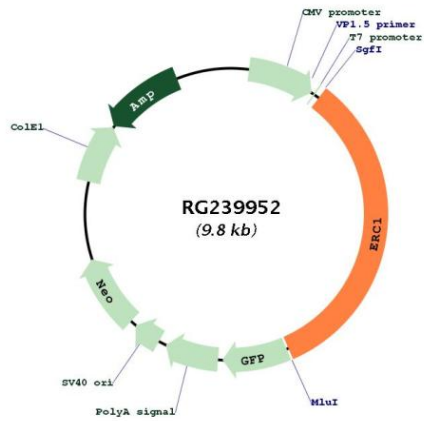
Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN:	NM_001301248
ORF Size:	3258 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_001301248.1 , NP_001288177.1
RefSeq Size:	9284 bp
RefSeq ORF:	3261 bp
Locus ID:	23085
Cytogenetics:	12p13.33
Protein Families:	Druggable Genome
MW:	125.3 kDa
Gene Summary:	The protein encoded by this gene is a member of a family of RIM-binding proteins. RIMs are active zone proteins that regulate neurotransmitter release. This gene has been found fused to the receptor-type tyrosine kinase gene RET by gene rearrangement due to the translocation t(10;12)(q11;p13) in thyroid papillary carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG239952