

Product datasheet for **SC110293**

ERC1 (NM_015064) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERC1 (NM_015064) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERC1
Synonyms:	Cast2; ELKS; ELKS/RAB6-interacting/CAST family member 1; KIAA1081; MGC12974; OTTHUMP00000160633; RAB6 interacting protein 2; RAB6-interacting protein 2; RAB6IP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC110293 representing NM_015064.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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Restriction Sites: SgfI-MluI

ACCN:	NM_015064
Insert Size:	2847 bp
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_015064.2</u>
RefSeq Size:	6919 bp
RefSeq ORF:	2847 bp
Locus ID:	23085
Cytogenetics:	12p13.33
Domains:	Pox_A_type_inc
Protein Families:	Druggable Genome
MW:	108.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (alpha) differs in the 5' UTR and has multiple coding region differences, compared to variant epsilon. These differences cause translation termination at an upstream stop codon and an isoform (alpha) with a shorter, distinct C-terminus compared to isoform epsilon.</p>