

Product datasheet for **SC123757**

ERC1 (BC005065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERC1 (BC005065) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERC1
Synonyms:	Cast2; ELKS; ERC-1; RAB6IP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC005065 edited
 CTCTCCTTCCCCACTTACTCAGAGAATTTAAAGTCTGTAGAGTCAGCACAGCCCCATCAG
 TCCAGGAACTTCCCACCACCAGCCCTTGACTGTCCCATTAAGTACATGGTCAGATTTCC
 AGCTCCCCTACTCCCTGCTGTGAAACAATCCCTCTCCCTGTGAGAGGAAACTGTGGAGC
 GTTTCTTATCGAAGGTTAAATGGACTCTGCTCATAAACCTTACTGAGATGCTTCTGA
 TAGCCAGGCTGGCCAGAGAGGGGTGCAGGGTTAGATAGTAAGTGGTGGTCGTTTGGT
 CAGTTACCTCAATTCTGTTCAATTGCAGTGCCCGTAAACCATGTAGAAAGCTCCCAGCACT
 GAAAGGCAGGAGTGTAGCATCTCGCTTTATCCACCATAACGTAAAGAAGTGCAGGTGGA
 TAACAGCCTTACAGGGGCCACGGTGAACCAAGACAGCAGGCGAGGCCATGCCTAAACAA
 GTGGTCTGGCACGGGCACTGGCCAGCTGCTCTCTCCAAGCAGGTGGCCAGATCCCACCC
 ACGTGGACTTTCTCATCAGGTGCAGCGCTGCCACTCTCAGCCACTGGGTGTGACTCT
 CCTTTCATCTCAGCATTCTCCATCACTTCCCCTCCAGAAAAACGGATGGAAGGAAGCCC
 TCTGTGACTGCTTCTGAGAAGAAGCATTTCGGGACCGATATCATCTGTCTGGTCTCT
 GTGAACAGCAAGGAATCTTCTTGACCGTCTTGGGCACTGGAGGCTGGTTAGGAGTTCAG
 TAATAACGTGGCCTTCGTGCTGTAGGGCAGAGTGGATGCAGTTTGTAGCTTTCAGAGTG
 TCTCATTGAGTCTAGATCATTGAACCAACACTTAACCAAATGTCCCACTCCCATCAACT
 AGGACTTGTCAATCCATGCCCTCTCCTAGTGGTCATGGTTTCATATGGGCATACAACCTG
 CTAAGAGTTATATAGCCTTGAAGCACTCAGTGCAGGTTGCCCTTAATTTTCCCCAAACC
 CCTCCATCGGCAAGTCTAGTTGCCCTTTAGCACCTAAAGATCTGCACCCCAACCAATGT
 CACCATAAAGAGGGCACGAAGAAGAGTGGGTGTGATCCCAACGGGGTTTTGTAAGTGAAG
 AAGCCAGTGTGAGCTTCTCATCTTTTCATACCTCTAACCCCGGTAATCATTGAATC
 ATTTGATGAGGTATCTCAATTGAGATTTGCAAGGACTTTGATACCAATTTGAAATGGAAAA
 TTTTGAACGGGCTTAAACATGTTTAAGAAATATGGATGGGGCCAGTGGCTCAGC
 CCTGTAATCCCAGAACTCTGGAAGGCTGAGGCAGGCGGATCACCTGAGATCAGGAGTTCCG
 AGGCCAGCCTGGCCAAGATGGCAAAAAACCCGACTCTACTAAAAATACAAAATTAGCCAG
 GCGTGGTGGCGTACGCCTGTAATCCCAGCTACTCGGGAGGCAGGAGAATCGCTTGAGCCT
 GGGAGGCAGAGGCTGCGGTGAGCCAAGATCGTGTCACTGCACTCCAGCCTGGGTGACAGA
 GACTCCATTTAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC005065 unedited
 NNNAATAGCGGTCGATTATTTGTNATACGACTCACTATAGGCGGCGGNAATTCGGCAC
 GAGGCTCTCTTCCCCTTACTCAAAGATTTAAAGTCTGTACAGTCAGCACAGCCCCAT
 CAGTCCAGGAACTTCCCACCACCAGCCCTTGACTGTCCCATTAAGTACATGGTCAGATT
 TCCAGCTCCCCTACTCCCTGCTGTGAAACAATCCCTCTCCCTGTGAGAGGAAACTGTGG
 AGCGTTTCTTATCGAAGGTTAAATGGACTCTGCTCATAAACCTTACTGAGATGCTTCC
 TGATAGCCAGGCTGGCCAGAGAGGGGTGCAGGGTTAGATAGTAAGTGGTGGTCGTTTGT
 GGTCAATTACCTCAATTCTGTTCAATTGCAGTGCCCGTAAACCATGTAGAAAGCTCCCAGC
 ACTGAAAGGCAGGAGTGTAGCATCTCGCTTTATCCACCATAACGTAAAGAAGTGCAGGTG
 TGATAACAGCCTTACAGGGGCCACGGTGAACCAAGACAGCAGGCGAGGCCATGCCTAAA
 CAAGTGGTCTGGCACGGGCACTGGCCAGCTGCTCTCTCCAAGCAGGTGGCCAGATCCCA
 CCCACGTGGACTTTCTCATCAGGTGCAGCGCTGCCACTCTCAGCCACTGGGTGTGAC
 TCTCTTTCATCTCAGCATTCTCCATCACTTCCCCTCCAGAAAAACGGATGGAAGGAAG
 CCCTCTGTGACTGCTTCTGAGAAGAAGCATTTCGGGACCGATATCATCTGTCTGGTCT
 TCTGTGAACAGCAAGGAATCTTCTTGACCGTCTTGGGCACTGGAGGCTGGTTAGGAGTT
 CAGTAATAACAGTGGCCCTTCTGCTGTAGGGCACAATGGATGCAGTTTGTAGCTTCT

Restriction Sites: Please inquire
ACCN: BC005065
Insert Size: 1588 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:	BC005065.1
RefSeq Size:	1588 bp
Locus ID:	23085
Cytogenetics:	12p13.33
Protein Families:	Druggable Genome
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]