

Product datasheet for **SC108733**

ERGIC2 (NM_016570) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERGIC2 (NM_016570) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERGIC2
Synonyms:	cd002; CDA14; Erv41; PTX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108733 sequence for NM_016570 edited (data generated by NextGen Sequencing)

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ATGAGGCGACTGAATCGGAAAAAACTTTAAGTTTGGTAAAAGAGTTGGATGCCTTTCCG
AAGGTTTCTGAGAGCTATGTAGAGACTTCAGCCAGTGGAGGTACAGTTTCTCTAATAGCA
TTTACAACATATGGCTTTATTAACCATAATGGAATTCTCAGTATATCAAGATACATGGATG
AAGTATGAATACGAAGTAGACAAGGATTTTTCTAGCAAATTAAGAATTAATATAGATATT
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GTTGCATCTGCAGATGGTTTAGTTTATGAACCAACAGTATTTGATCTTTCACCACAGCAG
AAAGAGTGGCAGAGGATGCTGCAGCTGATTCAGAGTAGGCTACAAGAAGAGCATTCACTT
CAAGATGTGATATTTAAAAGTGCTTTTAAAAGTACATCAACAGCTCTTCCACCAAGAGAA
GATGATTCATCACAGTCTCCAAATGCATGCAGAATTCATGGCCATCTATATGTCAATAAA
GTAGCAGGGAATTTTACATAACAGTGGCAAGGCAATTCACATCCTCGTGGTCATGCA
CATTTGGCAGCACTTGTC AACCATGAATCTTACAATTTTCTCATAGAATAGATCATTTG
TCTTTTGGAGAGCTTGTTCCAGCAATTATTAATCCTTTAGATGGAAGTAAAAAATTGCT
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TATAAAATATCAGCAGACACCCATCAGTTTTCTGTGACAGAAAGGGAACGTATCATTAAAC
CATGCTGCAGGCAGCCATGGAGTCTCTGGGATATTTATGAAATATGATCTCAGTTCTCTT
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ATTGTTGGAGGAATCTTTTCAACAACAGGCATGTTACATGGAATTGGAAAAATTTATAGTT
GAAATAATTTGCTGTCGTTTCAGACTTGGATCCTATAAACTGTCAATTCTGTTCCTTTT
GAGGATGGCCACACAGACAACCCTTACCTCTTTTAGAAAATAATACACATTA

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Clone variation with respect to NM_016570.2
243 t=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016570 unedited
 TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCCGGCTTCTGTGAAA
 CATGGCGGTAGGCTGGGACCATAACACAAGCATGACTATATGAAGGAAGAGGAAGGTTTT
 CCTGAAGATGAGGCGACTGAATCGGAAAAAACTTTAAGTTTGGTAAAAGAGTTGGATGC
 CTTTCCGAAGGTTCTGAGAGCTATGTAGAGACTTCAGCCAGTGGAGGTACAGTTTCTCT
 AATAGCATTTACAACATATGGCTTTATTAACCATAATGGAATTCAGTATATCAAGATAC
 ATGGATGAAGTATGAATACGAAGTAGACAAGGATTTTTCTAGCAAATTAAGAATTAATAT
 AGATATTACCGTTGCCATGAAGTGTCAATATGTTGGAGCGGATGATTGGATTTAGCAGA
 AACAAATGGTTGCATCTGCAGATGGTTTAGTTTATGAACCAACAGTATTTGATCTTTCACC
 ACAGCAGAAAAGAGTGGCAGAGGATGCTGCAGCTGATTCAGAGTAGGCTACAAGAAGAGCA
 TTCACTTCAAGATGTGATATTTAAAAGTCTTTAAAAGTACATCAACAGCTCTTCCACC
 AAGAGAAGATGATTCATCACAGTCTCCAAATGCATGCAGAATTCATGGCCATCTATATGT
 CAATAAAGTAGCAGGGAATTNTCACATAACAGTGGCAAGGCAATCCACATCCTCGTGG
 TCATGCACATTTGGCAGCACTTNGTCACCATGAATCTTACCATNTTCTCATAGAATAGA
 TCATTTGTCTTTGGAGAGCTTNTCCAGCATTATTATCCTTTAGATGGACTGAAAAAA
 TGCTATAGATCACAACCGATGTTCCCATATTTATTACAGNNTGTGCCAAAACTACA
 TAATATAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016570 unedited
 CCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAATAAGTATGTTTTCT
 GCTTATTTGTGTTTTCTTTCTTTGAATATATTGCACAATATTTTATTATAAAAAAGG
 TTTTATGTCTCAGGCAAAAAGTTTTCTCCTTCAATCGGGAGGTGTTAATGTGTATTATT
 TTCTAAAAGAGGTAAGTGGTTGTCTGTGTGGCCATCCTAAAAGGAACAGATTGACAGG
 TTTATAGGATCCAAGTCTGAAACGACAGCAAATTTTCAACTATAAATTTTCCAATTCC
 ATGTAACATGCCTGTTGTTGAAAAGATTCTCCAACAATACCACAGAGTCTTACAAAAAA
 CTGCCAGAATGGCATGTGCTCCTCAGTAACTGTCACCATAAGAGAAGTGGATCATATTT
 CATAAATATCCCAGAGACTCCATGGCTGCCTGCAGCATGGTTAATGATACGTTCCCTTTC
 TGTACAGAAAAGTATGGGTGTCTGCTGATATTTTATATGATGTAGTTTTGTTGGCAC
 AACTGTAATAAAAATATTGGAACATCTGGTTGTGATCTATAGCAATTTTTTTCAGTCCATC
 TAAAGGATTAATAATTGCTGGAACAAGCTCTCCAAAAGACAAATGATCTATTCTATGAGA
 AAAATGTAAGATTCATGGTTGACAAGTGTGCTGCAATGTGCATGACCACGANGATGTGGA
 ATTGCTTGCCCACTGNTATGTGAAAAATCCCTGCTACTTTATTGCATATAGATGGCCTG
 AATNCTGCATGCATTNGNAGACTGTGATGAATCATCTTCTCTTGGTGGAAAGAACTGNTGA
 TGTACTTTAAAAGCACTTTAATATCACATCTGAAGTGTGCTCTTCTGTAGCTACTNTG
 ATAGCTGCGCATCCTTGCCTCTTCTGCTGGGNGAAAACAATACTGTGCATAACTACC

Restriction Sites:

NotI-NotI

ACCN:

NM_016570

Insert Size:

1430 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:

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_016570.2](#), [NP_057654.2](#)

RefSeq Size: 1781 bp

RefSeq ORF: 1134 bp

Locus ID: 51290

UniProt ID: [Q96RQ1](#)

Cytogenetics: 12p11.22

Gene Summary: ERGIC2, or PTX1, is a ubiquitously expressed nuclear protein that is downregulated in prostate carcinoma (Kwok et al., 2001 [PubMed 11445006]).[supplied by OMIM, Aug 2008]