

## Product datasheet for **SC115112**

### ROC1 (RBX1) (NM\_014248) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROC1 (RBX1) (NM_014248) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROC1
Synonyms:	BA554C12.1; RNF75; ROC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM\_014248 edited  
AAATGGCGGCAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGCGCGGGCAAGA  
AGCGCTTTGAAGTGAAAAAGTGAATGCAGTAGCCCTCTGGCCTGGGATATTGTGGTTG  
ATAACTGTGCCATCTGCAGGAACCACATTATGGATCTTTGCATAGAATGTCAAGCTAACC  
AGGCGTCCGCTACTTCAGAAGAGTGTACTGTCCGATGGGGAGTCTGTAACCATGCTTTTC  
ACTTCCACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACAACAGAG  
AGTGGGAATTCAAAAGTATGGGCACTAGGAAAAGACTTCTCCATCAAGCTTAATTGTT  
TTGTTATTCATTAATGACTTTCCCTGCTGTTACCTAATTACAAATTGGATGGAAGTGTG  
TTTTTTCTGCTTTGTTTTTTCAGTTTGTGTTTCTGTAGCCATATTGTATTCTGTGTCA  
AATAAAGTCCAGTTGGATTCTGAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014248 unedited GGGTTACATTTGTATACTATCATATAGGGCGGCCGGAATTCGCACCANAAAGGCGGCA GCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGGCGGGCAAGAAGCGCTTTGAA GTGAAAAAGTGGAAATGCAGTAGCCCTCTGGCCTGGGATATTGTGGTTGATAACTGTGCC ATCTGCAGGAACACATTATGGATCTTTGCATAGAATGTCAAGCTAACCGAGCGTCCGCT ACTTCAGAAGAGTGTACTGTCCGATGGGAGTCTGTAACCATGCTTTTCACTTCCACTGC ATCTCTCGCTGGCTCAAAACACGACAGGTGTGCCATTGGACAACAGAGAGTGGGAATTC CAAAAGTATGGGCACTAGGAAAAGACTTCTCCATCAAGCTTAATTGTTTTGTTATTCAT TTAATGACTTTCCCTGCTGTACCTAATTACAAATTGGATGGAAGTGTGTTTTTTCTGC TTTTTTTTTTCAGTTTGCTGTTTCTGTAGCCATATTGTATTCTGTGTCAAATAAAGTCCA GTTGGATTCTGAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCNGCCGCGGTCAAGC TGTTTTCTGACAGATCCCGGTGGCATCCCTGTGACCCCTCCAGTGCCTCTCCTGGC CCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAGTTGCATCATT TTGTCTGACTAGGTGCTTCTAAAAATTAATGGGGGTGAAGGGGGTGGTATTGGAACA AGGGGGCAAGTTTGGAAAACAAAACCGGTAGGGCCTTGCGGGTGTCTATTGGGAACCCAG CCTGGGATGGCAGTGGCCAAATCTGGGTTCAATGGGATCTCCGCCCTCCCGGGTGTTA AGCAATTTTTCTGCGCTCACCTCTCCGAGTTGTTGGGAATTCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014248
<b>Insert Size:</b>	540 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_014248.2.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_014248.2</a></u> , <u><a href="#">NP_055063.1</a></u>
<b>RefSeq Size:</b>	521 bp
<b>RefSeq ORF:</b>	327 bp
<b>Locus ID:</b>	9978
<b>UniProt ID:</b>	<u><a href="#">P62877</a></u>
<b>Cytogenetics:</b>	22q13.2

<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cell cycle, Nucleotide excision repair, Oocyte meiosis, Pathways in cancer, Renal cell carcinoma, TGF-beta signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway
<b>Gene Summary:</b>	This locus encodes a RING finger-like domain-containing protein. The encoded protein interacts with cullin proteins and likely plays a role in ubiquitination processes necessary for cell cycle progression. This protein may also affect protein turnover. Related pseudogenes exist on chromosomes 2 and 5.[provided by RefSeq, Sep 2010]