

## Product datasheet for **RC211498**

### **CNTROB (NM\_001037144) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CNTROB (NM_001037144) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNTROB
Synonyms:	LIP8; PP1221
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC211498 representing NM\_001037144  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACATCAGCTGACAGCCCCAGTTACCCCTCGGGCGGAGGATCTCTGAGTGATTATCAGAAC  
 CCCTGGGCTCAACCAAGTGTCTGTAAGTGACTCCCAGCTCTATGCTTCTTTGCGCCTCAGCCGGCA  
 GGCGGAGGCCACGGCCCGAGCCAGCTGTATTTACCCTCCACCTCCCGCCTCATGAAGGTTAGACGGC  
 TTCGCCAAGAATTGAGTCGAAGCTTGTGAGTCGGATTGGAAAAGAACTGAAGAAAAAGGATGGTTCTA  
 AGCATATCTTTGAGATGGAAAGTGTTCGGGTCAGCTCCAGACCATGCTCCAAACCTCACGTGATACAGC  
 CTATCGGGATCCTCTATTCTGGCGCTGGCTCAGAGAGACGGGAAGAGGACTCCTTTGACAGTGATAGC  
 ACAGCCACCTTGCTCAACACCCGGCCCTGCAAGACTTGTCTCCATCTAGCTCAGCCAAGCCCTGGAGG  
 AGCTGTTTCCCGCTACACCAGCCTTCGGCCAGGGCTCCACTCAATCCCCAGATTTTCAGGGGCTGAG  
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 GTGTTAGAGCTACAGCAACAATTAGCCGTGGCTGTGGCTGCCGACCGCAAGAAAGATAACCATGATTGAAC  
 AACTGGACAAGACCCCTGGCCCGTGTGGTGGAGGGCTGGAACCGGCATGAGGCTGAGCGGACAGAGTTCT  
 CAGGGGACTTCAAGAGGAACACCAGGCAGCAGAGCTCACCAGAAGCAAGCAGCAGGAGACAGTAACCCGC  
 CTGGAACAAAGCCTTTCTGAGGCCATGGAGGCCCTGAATCGTGAGCAGGAAAGTGCCAGACTGCAGCAAC  
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 CTGTGTCTGCAGGAAGAGCGGGATGCAGCTCGGGCTGGCAACTGAGTGAGCATCGAGAGTTGGAGACT  
 CTTTCGGGCTCCCTAGAAGAAGAACCGCAGACCTGGGCCAGCAAGAGCACCAGCTTAAGGAACACTACC  
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 GGATCCAGCTGGAGTCGGAGCTGGCTGTGCAGCTGGAGCAGCGGGTGACAGAGCGGCTGGCGCAGGCTCA  
 GGAGAGCAGCCTACGGCAAGCAGCCTCCCTCAGGGAACATCACAGGAAGCAGCTGCAGGACCTGAGTGGA  
 CAGCACCAGCAGGAGCTGGCCAGTCAGCTAGCTCAGTTCAAGGTGGAATGGCAGAACGAGAGGAACGGC  
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 GGGCTGGGGGCTCTGCCTGCTGAGGATCTCTGCTCTACCTGAAGAGGCTGGAACACAGCGGTACAAG  
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 GAGGGGATAATGTCCCAGAAAGAACACAGACTCCCGCTTGGGTGAGATCCCCGGAAAGAGATTCCCTC  
 CCAGGCTGTCCCTCGCCGCTTGTACAGCCCCAAGACTGAAAAACCTCCCGCACGGAAGAAAAGTGGG  
 CACCCTGCCCGAGTAGCATGAGGAGCCGGGGGAGTCTGGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC211498 representing NM\_001037144  
Red=Cloning site Green=Tags(s)

MATSADSPSSPLGAEDLLSDSSEPPGLNQVSSEVTSQLYASLRLSRQAEATARAQLYLPSTSPHEGLDG  
 FAQELSRSLVSGLEKNLKKKDGSKHIFEMESVRGQLQTMLQTSRDTAYRDPLIPGAGSERREEDSFSDS  
 TATLLNTRPLQDLSPSSSAQALEELFPRYTSLRPGPPLNPPDFQGLRDALDSEHTRRKHCHERHIQSLQTR  
 VLELQQQLAVAVAADRKKDTMIEQLDKTLARVVEGWNRHEAERTEVLRGLQEEHQAAELTRSKQQETVTR  
 LEQSLSEAMEALNREQESARLQQRERETLEEERQALTLRLEAEQQRCCVLQEERDAARAGQLSEHRELET  
 LRAALEEERQTWAQQEHQLKEHYQALQEESQAQLEREKEKSQREAAAWETQHQLALVQSEVRRLEGELD  
 TARRERDALQLEMSLVQARYESQRIQLESELAVQLEQRVTERLAQAQESSLRQAASLREHHRKQLQDL SG  
 QHQQELASQLAQFKVEMAEREERQQVAEDYELRLAREQARVCELQSGNQLEEQRVELVERLQAMLQAH  
 WDEANQLLSTTLPPPAPPAGPSSPGPQEPEKEERRVWTPMPPMAVALKPVLLQSQSREARDELPGAPPVL  
 CSSSSDLLLGGPSFQSQHSFQPLEPKPDLTSSTAGAFSALGAFHPDHRAERPFPEEDPGPDGEGLLKQG  
 LPPAQLEGLKNFLHQLLETVPQNNENPSVDLLPPKSGPLTVPSWEEAPQVPRIPPPVHKTKVPLAMASSL  
 FRVPEPPSSHSQSGSPSSGSPERGGDGLTFPRQLMEVSQLRLRYQARGWGALPAEDLLL YLKRLEHSGYK  
 PGRKEEGFSGWKLDYGEWGTGDRGDNVPRRNTDSRLGEIPRKEIPSQAVPRRLATAPKTEKPPARKKSG  
 HPAPSSMRSRGGVWR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

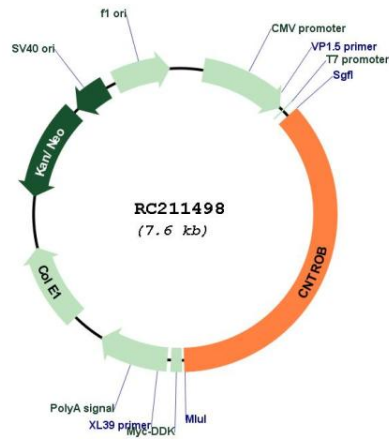


**ACCN:** NM\_001037144

**ORF Size:** 2775 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001037144.7</a>
<b>RefSeq Size:</b>	4137 bp
<b>RefSeq ORF:</b>	2778 bp
<b>Locus ID:</b>	116840
<b>UniProt ID:</b>	<a href="#">Q8N137</a>
<b>Cytogenetics:</b>	17p13.1
<b>MW:</b>	103.8 kDa
<b>Gene Summary:</b>	This gene encodes a centrosomal protein that interacts with BRCA2, and is required for centriole duplication and cytokinesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC211498