

Product datasheet for **RC234198**

CALCOCO2 (NM_001261390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CALCOCO2 (NM_001261390) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CALCOCO2
Synonyms:	NDP52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234198 representing NM_001261390
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAGACCATCAAAGATCCCCCACATCAGTGTCTTGCTGGATCACTGTCAATTTCTCTCAGTCA
 TCTTTAACAGTGTGGAGAAGTTCTACATCCCTGGAGGGGACGTCACATGTCATTATACCTTCACCCAGCA
 TTTCATCCCTCGTAAAGGATTGGATTGGCATCTTTAGAGCATTAAATGTTTCCAAGCAAATTTGGAA
 CAAGAATACTCAAATGGAGGAGCAAGGACAGAAATGCAGGTGGGTGGAAGACAACCCGTGAGTATT
 ACACCTTCATGTGGTACTTTGCCATTGACCTAAACAACAAATCAGCTAAACAGCAGGAAGTCCAATT
 CAAAGCTTACTACCTGCCAAGGATGATGAGTATTACCAGTTCGCTATGTGGATGAGGATGGTGTGGTC
 CGGGGAGCAAGTATTCTTTCAATTCGTCAGAAAATGAGGAAGACATCCTGGTTGTTACCCTCAGG
 GAGAGGTGGAAGAGATTGAGCAGCACAACAGGAGCTTTGCAAAGAAAACAGGAGCTGAAGGACAGCTG
 TATCAGCTCCAGAAGCAGAATCAGACATGCAGGCTGAGCTCCAAAAGAAGCAGGAGGAGCTAGAAACC
 CTACAGAGCATCAATAAGAAGTTGGAAGTGAAAGTGAAAGAACAGAAGGACTATTGGGAGACAGAGCTGC
 TTCAACTGAAAGAACAAAACAGAAAGATGTCTCAGAAAATGAGAAGATGGGAATCAGAGTGGATCAGCT
 TCAGGCCAGCTGTCAACTCAAGAGAAAGAAATGGAGAAGCTTGTTCAGGGAGATCAAGATAAGACAGAG
 CAGTTAGAGCAGCTGAAAAGGAAAAATGACCACCTCTTCTCAGTTTAACTGAACAGAGGAAGGACCAGA
 AGAAGCTCGAGCAGACAGTGGAGCAAATGAAGCAGAATGAACTACTGCAATGAAGAAACAACAGGAATT
 AATGGATGAAAATTTGACCTGTCAAAAAGACTGAGTGAGAACGAAATTAATGTAATGCTCTGCAGAGA
 CAGAAAGAGAGATTGGAAGGAGAAAATGATCTTTGAAGAGGGAGAACAGCAGATTGCTCAGTTACATGG
 GTCTGGATTTAATTCTTTGCCGTATCAAGTACTACTCAGATGAAGGAGGCGCAAGCAAAAATCCAGG
 ACTTGCCATGGAACCCATATTCTGGTATCCAAGAAAAGTTCTTCCCCAGCCCGCTCTCCATCAAGAAA
 TGCCCTATCTGCAAAGCAGATGATATTTGTGATCACACCTGGAGCAACAGCAGATGCAGCCCTTTGTT
 TCAATTGTCCAATTTGTGACAAGATCTCCAGCTACAGAGAAGCAGATCTTTGAAGACCAGTGTCTG
 CCACTCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234198 representing NM_001261390
 Red=Cloning site Green=Tags(s)

MEETIKDPPTSAVLLDHCHFSQVIFNSVEKFYIPGGDVTCHYFTQHFIPRRKDWIGIFRAFKCFQDKLE
 QELLKWSRQKQLQVQWKTREYYTFMWVTLPIDLNNSAKQEQEVQFKAYLQPKDDEYYQFCYVDEEDGVV
 RGASIPFQFRPENEEDILVVTTQGEVEEIEQHKNKELCKENQELKDSCI SLQKQNSDMQAE LQKKQEELET
 LQSINKKLELKVKEQKDYWETELLQLKEQNQKMSSENEKMGIRVDQLQAQLSTQEKEMEKLVQGDQDKTE
 QLEQLKKENDHFLSLTEQRKDQKLEQTVQMKQNETTAMKKQQLMDENFDLSKRLSENEIICNALQR
 QKERLEGENDLLKRENSRLLSYMGLDFNSLPYQVPTSDEGGARQNPGLAYGNPYSIGIQESSSPSPLSIKK
 CPICKADDICDHTLEQQMQPLCFNCPICDKIFPATEKQIFEDHVFCHSL

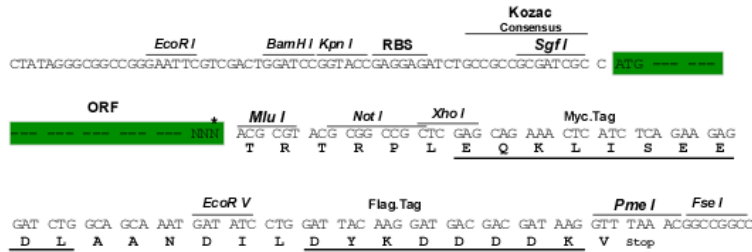
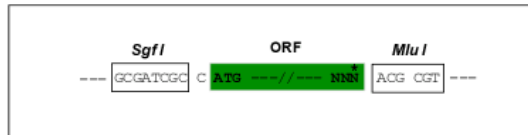
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001261390

ORF Size: 1410 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001261390.2](#)
RefSeq Size: 3754 bp

RefSeq ORF: 1413 bp

Locus ID: 10241

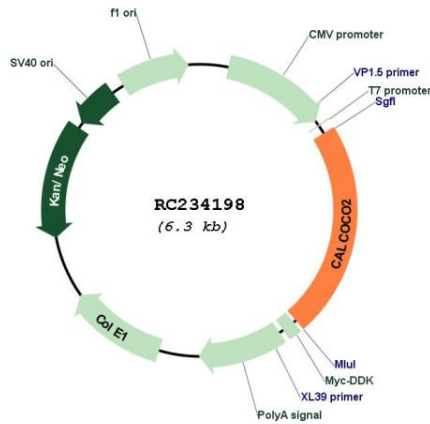
UniProt ID: [Q13137](#)

Cytogenetics: 17q21.32

MW: 55.6 kDa

Gene Summary: This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a receptor for ubiquitin-coated bacteria and plays an important role in innate immunity by mediating macroautophagy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RC234198