

Product datasheet for **RG234000**

CALCOCO2 (NM_001261393) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CALCOCO2 (NM_001261393) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CALCOCO2
Synonyms:	NDP52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234000 representing NM_001261393 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGACCATCAAAGATCCCCCACATCAGCTGTCTTGCTGGATCACTGTCAATTTCTCAGGTCA
TCTTTAACAGTGTGGAGAAGTTCTACATCCCTGGAGGGGACGTCACATGTCATTATACCTTCACCCAGCA
TTTCATCCCTCGTCGAAAGGATTGGATTGGCATCTTTAGAGTGGGGTGAAGACAACCCGTGAGTATTAC
ACCTTCATGTGGTTACTTTGCCATTGACCTAAACAACAAATCAGCTAAACAGCAGGAAGTCCAATTCA
AAGCTTACTACCTGCCAAGGATGATGAGTATTACCAGTTCTGCTATGTGGATGAGGATGGTGTGGTCCG
GGGAGCAAGTATTCCTTTCCAATTCCTGCCAGAAAATGAGGAAGACATCCTGGTTGTTACCACTCAGGAG
GAGCTAGAAACCTACAGAGCATCAATAAGAAAGTTGAACTGAAAGTGAAGAACAAGGACTATTGGG
AGACAGAGCTGCTTCAACTGAAAGAACAAAACCAGAAGATGTCCTCAGAAAATGAGAAGATGGGAATCAG
AGTGGATCAGCTTCAGGCCAGCTGTCAACTCAAGAGAAAAGAAATGGAGAAGCTTGTTCAGGGAGATCAA
GATAAGACAGAGCAGTTAGAGCAGCTGAAAAAGGAAAATGACCACCTCTTTCTCAGTTTAACTGAACAGA
GGAAGGACCAGAAGAAGCTCGAGCAGACAGTGGAGCAAATGAAGCAGAATGAACTACTGCAATGAAGAA
ACAACAGGAATTAATGGATGAAAACCTTTGACCTGTCAAAAAGACTGAGTGAGAACGAAATATATGTAAT
GCTCTGCAGAGACAGAAAGAGAGATTGGAAGGAGAAAATGATCTTTTGAAGAGGGAGAACAGCAGATTGC
TCAGTTACATGGGTCTGGATTTAATTCTTTGCCGTATCAAGTACCTACTTCAGATGAAGGAGCGCAAG
ACAAAATCCAGGACTTGCCATGAAAACCCATATTCTGGTATCCAAGAAAGTTCTTCCCCAGCCCGCTC
TCCATCAAGAAATGCCCTATCTGCAAAGCAGATGATATTTGTGATCACACCTTGAGCAACAGCAGATGC
AGCCCCTTTGTTCAATTGTCCAATTTGTGACAAGATCTCCAGCTACAGAGAAGCAGATCTTTGAAGA
CCACGTGTTCTGCCACTCTCTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234000 representing NM_001261393
 Red=Cloning site Green=Tags(s)

MEETIKDPPTSAVLLDHCHFSQVIFNSVEKFYIPGGDVTCHYTFTQHFIPRRKDWIGIFRVGWKTTREYY
 TFMWVTLPIDLNNSAKQQEVQFKAYYLPKDDEYYQFCYVDEDEGVVRGASIPFQFRPENEDILVVTTQE
 ELETLSINKKLELKVKEQKDYWETELLQLKEQNQKMSSENEKMGIRVDQLQAQLSTQEKEMEKL VQGDQ
 DKTEQLEQLKKENDHLFSLSTEQRKDQKLEQTVQMKQNETTAMKKQQELMDENFDLSKRLSENEIICN
 ALQRQKERLEGENDLLKRENSRLLSYMGLDFNSLPYQVPTSDEGGARQNPGLAYGNPYSGIQESSPSPL
 SIKKCPICKADDICDHTLEQQQMQLCFNCPICDKIFPATEKQIFEDHVFCHSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001261393

ORF Size: 1212 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_001261393.2](#)

RefSeq Size: 3556 bp

RefSeq ORF: 1215 bp

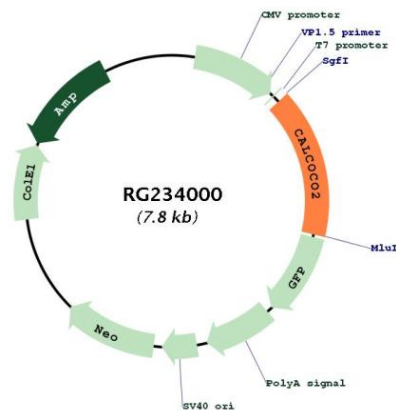
Locus ID: 10241

UniProt ID: [Q13137](#)

Cytogenetics: 17q21.32

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 RG234000