

Product datasheet for **SC332755**

CALCOCO2 (NM_001261395) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CALCOCO2 (NM_001261395) Human Untagged Clone
Tag: Tag Free
Symbol: CALCOCO2
Synonyms: NDP52
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332755 representing NM_001261395.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTGGGTTACTTTGCCATTGACCTAAACAACAATCAGCTAAACAGCAGGAAGTCCAATTCAAAGCT
TACTACCTGCCCAAGGATGATGAGTATTACCAGTTCTGCTATGTGGATGAGGATGGTGTGGTCCGGGGA
GCAAGTATTCCTTCCAATTCGGTCCAGAAAATGAGGAAGACATCCTGGTTGTTACCACTCAGGGAGAG
GTGGAAGAGATTGAGCAGCACACAAGGAGCTTGC AAAAGAAAACCAGGAGCTGAAGGACAGCTGTATC
AGCCTCCAGAAGCAGA ACTCAGACATGCAGGCTGAGCTCCAAAAGAAGCAGGAGGAGCTAGAAAACCTA
CAGAGCATCAATAAGAAGTTGGA ACTGAAAGTGAAGAACAGAAGGACTATTGGGAGACAGAGCTGCTT
CAACTGAAAGAACA AAAACCAGAAGATGTCTCAGAAAATGAGAAGATGGGAATCAGAGTGGATCAGCTT
CAGGCCAGCTGTCAACTCAAGAGAAAAGAAATGGAGAAGCTTGTTCAGGGAGATCAAGATAAGACAGAG
CAGTTAGAGCAGCTGAAAAGGAAAATGACCACCTCTTTCTCAGTTTAACTGAACAGAGGAAGGACCAG
AAGAAGCTCGAGCAGACAGTGGAGCAAAATGAAGCAGAAATGAACTACTGCAATGAAGAAAACAACAGGAA
TTAATGGATGAAAACCTTTGACCTGTCAAAAAGACTGAGTGAGAACGAAATATATGTAATGCTCTGCAG
AGACAGAAAAGAGAGATTGGAAGGAGAAAATGATCTTTTGAAGAGGGGAGAACAGCAGATTGCTCAGTTAC
ATGGGTCTGGATTTTAATCTTTGCCGTATCAAGTACCTACTTCAGATGAAGGAGGCGCAAGACAAAAT
CCAGGACTTGCCATGGAACCCATATTCTGGTATCCAAGAAAGTTCTTCCCCAGCCCGCTCTCCATC
AAGAAAATGCCCTATCTGCAAAGCAGATGATATTTGTGATCACACCTTGGAGCAACAGCAGATGCAGCCC
CTTTGTTTCAATTGTCCAATTTGTGACAAGATCTTCCAGCTACAGAGAAGCAGATCTTTGAAGACCAC
GTGTTCTGCCACTCTCTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001261395
Insert Size: 1125 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).



[View online »](#)

| | |
|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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_001261395.1 |
| RefSeq Size: | 3492 bp |
| RefSeq ORF: | 1125 bp |
| Locus ID: | 10241 |
| UniProt ID: | Q13137 |
| Cytogenetics: | 17q21.32 |
| MW: | 43.7 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (5) lacks two consecutive internal exons and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (5) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |