

# Recombinant Full Length Human CALCOCO2 Protein, C-Flag-tagged

**Cat. No.** CALCOCO2-770HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human CALCOCO2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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.                                                                                                                                          |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 52.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MEETIKDPPTSAVLLDHCHFSQVIFNSVEKFYIPGGDVTCHYTFTQHFIPRRKDWIGIF<br>RVGWKTTREYYTFMWVTLPIDLNNKSAKQQEVQFKAYYLPKDDEYYQFCYVDEDG<br>VVRGASIPFQFRPENEEILVVTQTG EVEEIEQHNKELCKENQELKDSCISLQKQNS<br>DMQAELQKKQEELETLSINKKLELVKEQKDYWETELL QLKEQNQKMSSENEKM<br>GIRVDQLQAQLSTQEKEMEKL VQGDQDKTEQLEQLKKENDHLFLSLTEQRKDQK KL<br>EQTVEQMKQNETTAMKKQQELMDENFDLSKRLSENEIICNALQRQKERLEGENDLL<br>KRENSRLLSYMG LDFNSLPYQVPTSDEGGARQNPGLAYGNPYSGIQESSPSPLSI<br>KKCPICKADDICDHTLEQQQMPLCF |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                      | NCPICDKIFPATEKQIFEDHVFCHSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                     |
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b>       | CALCOCO2 calcium binding and coiled-coil domain 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | CALCOCO2                                                                   |
| <b>Synonyms</b>        | NDP52                                                                      |
| <b>Gene ID</b>         | 10241                                                                      |
| <b>mRNA Refseq</b>     | NM_005831.5                                                                |
| <b>Protein Refseq</b>  | NP_005822.1                                                                |
| <b>MIM</b>             | 604587                                                                     |

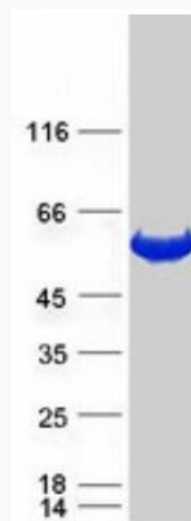
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UniProt ID

Q13137



Coomassie blue staining of purified CALCOCO2 protein.

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