

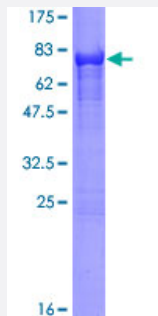
Full-Length

CALCOCO2 (Human) Recombinant Protein (P01)

Catalog # H00010241-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CALCOCO2 full-length ORF (NP_005822.1, 1 a.a. - 446 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEETIKDPPTSAVLLDHCHFSQVIFNSVEKFYIPGGDVTCHYTFTQHFIPRRKDWIGIFRVGWKTTR
EYYTFMWVTLPIDLNNKSAKQQEVQFKAYYLPKDDEYYQFCYVDEGDGVVRGASIPFQFRPENEED
ILVTTQGEVEEIEQHNLCKENQELKQNSDMQAEQKKQEELETLSINKKLELV
KEQKDYWETELLQLKEQNQKMSSSENEKMGIRVDQLQAQLSTQEKEMEKLQGDQDKTEQLEQL
KKENDHLFLSLTEQRKDQKKLEQTVQMKQNETTAMKKQELMDENFDLSKRLSENEIICNALQR
QKERLEGENDLLKRENSRLLSYMGLDFNSLPYQVPTSDEGGARQNPGLAYGNPYSGIQESSSPS
PLSIKKCPICKADDICDHTLEQQMQPLCFNCPICDKIFPATEKQIFEDHVFCHSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CALCOCO2

Entrez GeneID [10241](#)

GeneBank Accession# [NM_005831.3](#)

Protein Accession# [NP_005822.1](#)

Gene Name CALCOCO2

Gene Alias MGC17318, NDP52

Gene Description calcium binding and coiled-coil domain 2

Omim ID [604587](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a subunit of nuclear domain 10 (ND10) bodies. ND10 bodies are nuclear domains appearing immunohistochemically as ten dots per nucleus. They are believed to be associated with the nuclear matrix on the basis of their resistance to nuclease digestion and salt extraction. ND10 proteins are removed from the nucleus by herpes simplex virus-1 infection and may have a role in viral life cycles. [provided by RefSeq]

Other Designations nuclear domain 10 protein

Publication Reference

- [Porphyromonas gingivalis, a periodontal pathogen, impairs post-infarcted myocardium by inhibiting autophagosome-lysosome fusion.](#)

Yuka Shiheido-Watanabe, Yasuhiro Maejima, Shun Nakagama, Qintao Fan, Natsuko Tamura, Tetsuo Sasano.

International Journal of Oral Science 2023 Sep; 15(1):42.

Application: IP, Human, Recombinant protein

- [Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome.](#)

Isabel Pablos, Yoan Machado, Hugo C Ramos de Jesus, Yasir Mohamud, Reinhild Kappelhoff, Cecilia Lindskog, Marli Vlok, Peter A Bell, Georgina S Butler, Peter M Grin, Quynh T Cao, Jenny P Nguyen, Nestor Solis, Srinivas Abbina, Wioletta Rut, John C Vederas, Laszlo Szekely, Attila Szakos, Marcin Drag, Jayachandran N Kizhakkedathu, Karen Mossman, Jeremy A Hirota, Eric Jan, Honglin Luo, Arinjay Banerjee, Christopher M Overall.

Cell Reports 2021 Oct; 37(4):109892.

Application: Sub, Recombinant proteins, Recombinant proteins