

Recombinant Mouse Calcoco1 Protein, Myc/DDK-tagged

Cat. No. Calcoco1-1935M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length calcium binding and coiled coil domain 1 (Calcoco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a coactivator for aryl hydrocarbon and nuclear receptors (NR). Recruited to promoters through its contact with the N-terminal basic helix-loop-helix-Per-Arnt-Sim (PAS) domain of transcription factors or coactivators, such as NCOA2. During ER-activation acts synergistically in combination with other NCOA2-binding proteins, such as EP300, CREBBP and CARM1. Involved in the transcriptional activation of target genes in the Wnt/CTNNB1 pathway. Functions as a secondary coactivator in LEF1-mediated transcriptional activation via its interaction with CTNNB1. Coactivator function for nuclear receptors and LEF1/CTNNB1 involves differential utilization of two different activation regions. In association with CCAR1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells.
Molecular Mass	77.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Calcoco1 calcium binding and coiled coil domain 1 [Mus musculus (house mouse)]
Official Symbol	Calcoco1
Synonyms	CALCOCO1; calcium binding and coiled coil domain 1; calcium-binding and coiled-coil domain-containing protein 1; GRIP1-interacting protein; coiled-coil coactivator protein; granule cell antiserum positive 11; coiled-coil transcriptional coactivator; Cocoa; Gcap11; mKIAA1536; 1810009B06Rik; KIAA1536
Gene ID	67488
mRNA Refseq	NM_026192
Protein Refseq	NP_080468
UniProt ID	Q8CGU1

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