

Product datasheet for PH301375

CoCoA (CALCOCO1) (NM_020898) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CALCOCO1 MS Standard C13 and N15-labeled recombinant protein (NP_065949)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201375
Predicted MW:	77.3 kDa
Protein Sequence:	>RC201375 protein sequence Red=Cloning site Green=Tags(s)

MEESPLSRAPSRGGVNFNLNVRTYIPNTKVECHYTLPPGTMPASDWIGIFKVEAACVRDYHTFVWSSVP
ESTTDGSPIHTSVQFQASYLPKPGAQLYQFRYVNRQGVCGQSPPFQFREPRPMDLVTLEEADGGSDIL
LVVPKATVLQNQLDESQQERNLMLQLLQLEGQVTELSRVQELERALARQEHTELMEQYKGISRSHG
EITEERDILSRQQGDHVARILELEDDIQTISEKVLTKVELDRLRDTVKALTREQEKLGLQKEVQADKE
QSEAELQVAQQENHHLNLDLKEAKSWQEEQSAQAQRLKDKVAQMKDTLGQAQQRVAELEPLKEQLRGAQE
LAASSQQKATLLGEELASAAAARDRTIAELHRSRLEVAEVNGRLAELGLHLKEEKQWSKERAGLLQSVE
AEKDKILKLSAEILRLEKAVQEERTQNQVFKTELAREKSSLVQLSESKRELTELSALRVLQKEKEQLQ
EEKQELLEMYMRKLEARLEKVADEKWNEDATTEDEEAAGVLSCPAALTDSEDESPEDMRLPPYGLCERGD
GSSPAGPREASPLVVISQPAPISPHLSGPAEDSSDSEAEDKSVLMAAVQSGGEEANLLPELGSFYD
MASGFTVGTLSSETSTGGPATPTWKECPICKERFPAESDKDALEDHMDGHFFSTQDPPTFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065949
RefSeq Size:	3046



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RefSeq ORF: 2073

Synonyms: calphoglin; Cocoa; PP13275

Locus ID: 57658

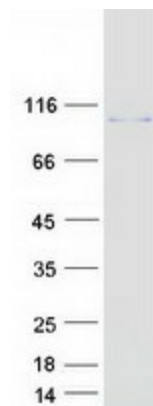
UniProt ID: [Q9P1Z2](#), [A0A024RAZ1](#)

Cytogenetics: 12q13.13

Summary: 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 (By similarity). In association with CCAR1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified CALCOCO1 protein (Cat# [TP301375]). The protein was produced from HEK293T cells transfected with CALCOCO1 cDNA clone (Cat# [RC201375]) using MegaTran 2.0 (Cat# [TT210002]).