

Datasheet for ABIN7552831

CALCOCO1 Protein (AA 1-691) (His tag)



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Overview

Quantity:	1 mg
Target:	CALCOCO1
Protein Characteristics:	AA 1-691
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CALCOCO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CALCOCO1 Protein expressed in mammalian cells.
Sequence:	<p>MEESPLSRAP SRGGVNFLNV ARTYIPNTKV ECHYTLPPGT MPSASDWIGI FKVEAACVRD</p> <p>YHTFWSSVP ESTTDGSPH TSVQFQASYL PKPGAQLYQF RYVNRQGQVC GQSPPFQFRE</p> <p>PRPMDELVTLE EADGGSDIL LVVPKATVLQ NQLDESQQR NDLMQLKLQL EGQVTELRSR</p> <p>VQELERALAT ARQEHTELME QYKGISRSHG EITEERDILS RQQGDHVARI LELEDDIQT</p> <p>SEKVL TKEVE LDRLRDTVKA LTREQEKLGL QLKEVQADKE QSEALQVAQ QENHHLNLDL</p> <p>KEAKSWQEEQ SAQAQRLKDK VAQMKDTLGQ AQRVAEELP LKEQLRGAQE LAASSQQKAT</p> <p>LLGEELASAA AARDRTIAEL HRSRLEVAEV NGRLAELGLH LKEEKQWSK ERAGLLQSVE</p> <p>AEKDILKLS AEILRLEKAV QEERTQNQVF KTELAREKDS SLVQLSESKR ELTELRSAIR</p> <p>VLQKEKEQLQ EEKQELLEYM RKLEARLEKV ADEKWNEDAT TEDEEAAGVL SCPAALTDSE</p> <p>DESPEDMRPL PYGLCERGDG GSSPAGPREA SPLVVISQPA PISPHLSGPA EDSSSDSEAE</p> <p>DEKSVLMAAV QSGGEEANLL LPELGSAFYD MASGFTVGTL SETSTGGPAT PTWKECPICK</p>

ERFPAESDKD ALEDHMDGHF FFSTQDPFTF E **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CALCOC01
Alternative Name:	CALCOC01 (CALCOC01 Products)
Background:	<p>Calcium-binding and coiled-coil domain-containing protein 1 (Calphoglin) (Coiled-coil coactivator protein) (Sarcoma antigen NY-SAR-3),FUNCTION: 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</p>

Target Details

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). {ECO:0000250|UniProtKB:Q8CGU1, ECO:0000269|PubMed:24245781}., FUNCTION: Seems to enhance inorganic pyrophosphatase thus activating phosphoglucomutase (PMG). Probably functions as a component of the calphoglin complex, which is involved in linking cellular metabolism (phosphate and glucose metabolism) with other core functions including protein synthesis and degradation, calcium signaling and cell growth. {ECO:0000269|Ref.1}.

Molecular Weight:	77.3 kDa
UniProt:	Q9P1Z2
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Chromatin Binding

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months