

Recombinant Human CCT4 293 Cell Lysate

Cat. No. CCT4-7688HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for chaperonin containing TCP1, subunit 4 (delta) (CCT4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CCT4 chaperonin containing TCP1, subunit 4 (delta) [Homo sapiens]

Official Symbol

CCT4

Synonyms

CCT4; chaperonin containing TCP1, subunit 4 (delta); T-complex protein 1 subunit delta; Cctd; TCP-1-delta; stimulator of TAR RNA-binding; chaperonin containing t-complex polypeptide 1, delta subunit; SRB; CCT-DELTA; MGC126164; MGC126165;

Gene ID

10575

mRNA Refseq

NM_001256721

Protein Refseq

NP_001243650

MIM

605142

UniProt ID

P50991

**Chromosome
Location**

2p15

Pathway

Association of TriC/CCT with target proteins during biosynthesis, organism-specific biosystem; Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem; Folding of actin by CCT/TriC, organism-specific biosystem; Formation of

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tubulin folding intermediates by CCT/TriC, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Prefoldin mediated transfer of substrate to CCT/TriC, organism-specific biosystem;

Function

ATP binding; nucleotide binding; unfolded protein binding;

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