

Recombinant Mouse CDC37 cell lysate

Cat. No. CDC37-001MCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CDC37 / CDC37A derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Mouse
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	Cdc37 cell division cycle 37 homolog (<i>S. cerevisiae</i>) [<i>Mus musculus</i>]
Official Symbol	CDC37
Synonyms	CDC37; cell division cycle 37 homolog (<i>S. cerevisiae</i>); hsp90 co-chaperone Cdc37; hsp90 chaperone protein kinase-targeting subunit; p50; p50Cdc37;
Gene ID	12539
mRNA Refseq	NM_016742
Protein Refseq	NP_058022
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem; Signaling by EGFR in Cancer, organism-specific biosystem; Signaling by constitutively active EGFR, organism-specific biosystem; TNF-alpha NF-kB Signaling Pathway, organism-specific biosystem;

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Function

Hsp90 protein binding; chaperone binding; heat shock protein binding; mitogen-activated protein kinase kinase kinase binding; protein kinase B binding; protein kinase binding;

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