Recombinant Human CDC37, GST-tagged

Cat. No. CDC37-11006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDC37 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-209a.a.
Description	The protein encoded by this gene is expressed only in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. It is localized in the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed and zippered membranes. It is a C-type lectin with mannose binding specificity, and it has been proposed that mannose binding by this protein leads to internalization of antigen into Birbeck granules and providing access to a nonclassical antigen-processing pathway. Mutations in this gene result in Birbeck granules deficiency or loss of sugar binding activity.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	CDC37 cell division cycle 37 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	CDC37
Synonyms	CDC37; cell division cycle 37 homolog (S. cerevisiae); CDC37 (cell division cycle 37, S. cerevisiae, homolog) , CDC37 cell division cycle 37 homolog (S. cerevisiae); hsp90 co-chaperone Cdc37; CDC37 (cell division cycle 37; S. cerevisiae; homolog); CDC37 cell division cycle 37 homolog; Hsp90 co chaperone Cdc37; P50CDC37; hsp90 chaperone protein kinase-targeting subunit; CDC37 (cell division cycle 37, S. cerevisiae, homolog);
Gene ID	11140
mRNA Refseq	NM_007065
Protein Refseq	NP_008996
MIM	605065
UniProt ID	Q16543
Chromosome Location	19p13.2
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem; LKB1 signaling events, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by EGFR in Cancer, organism-specific biosystem; Signaling by ERBB2, organism-specific biosystem; Signaling by constitutively active EGFR, organism-specific biosystem;
Function	Hsp90 protein binding; heat shock protein binding; protein binding; protein kinase

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	binding; unfolded protein binding;

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