

## Recombinant Human CDC37

**Cat. No.** CDC37-26223TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant CDC37 protein was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-378aa
<b>Description</b>	The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of <i>Sacchomyces cerevisiae</i> . This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases.
<b>Form</b>	Liquid in 20mM Tris pH 8.0, 10% glycerol Molecular Weight: 44.4kDa (378aa)
<b>Molecular Mass</b>	44.4Da (378aa), confirmed by MALDI-TOF.
<b>AA Sequence</b>	MVDYSVWDHI EVSDDEDETH PNIDTASLFR WRHQARVERM EQFQKEKEEL DRGCRECKRK VAECQRKLKE LEVAEGGKAE LERLQAEAAQ LRKEERSWEQ KLEEMRKKEK SMPWNVDTLS KDGFSKSMVN TKPEKTEEDS EEVREQKHKT FVEKYEQQIK HFGMLRRWDD SQKYLSDNVH LVCEETANYL VIWCIDLEVE EKCALMEQVA HQTIVMQFIL ELAKSLKVDP RACFRQFFTK IKTADRQYME

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GFNDELEAFK ERVRGRAKLR IEKAMKEYEE EERKKRLGPG GLDPVEVYES  
 LPEELQKCFD VKDVQMLQDA ISKMDPTDAK YHMQRCSIDSG LWVPNSKASE  
 AKEGEEAGPG DPLLEAVPKT GDEKDVSV

**Endotoxin** < 1.0 eu per 1 microgram of protein (determined by lal)

**Purity** >95% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [CDC37 cell division cycle 37 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** CDC37

**Synonyms** CDC37; P50CDC37; cell division cycle 37 homolog (S. cerevisiae); CDC37 (cell division cycle 37, S. cerevisiae, homolog); CDC37 cell division cycle 37 homolog (S. cerevisiae); CDC37 cell division cycle 37 homolog; Hsp90 co-chaperone Cdc37; Hsp90 chaperone protein kinase-targeting subunit; p50Cdc37; CDC37A

**Gene ID** [11140](#)

**mRNA Refseq** [NM\\_007065](#)

**Protein Refseq** [NP\\_008996](#)

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<b>MIM</b>	605065
<b>UniProt ID</b>	Q16543
<b>Chromosome Location</b>	19p13.2
<b>Pathway</b>	PI3K-Akt signaling pathway; Signal Transduction; Signaling by constitutively active EGFR
<b>Function</b>	Hsp90 protein binding; Heat shock protein binding; protein binding; unfolded protein binding

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