

Recombinant human CDC37 protein

Catalog Number: CDC0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-378aa

UniProt No.

Q16543

NCBI Accession No.

NP_008996

Alternative Names

Cell division cycle 37 homolog, P50CDC37, CDC37, Cell division cycle 37 homolog, Cell division cycle 37 homolog S cerevisiae hypothetical protein CDC37, CDC 37, CDC37 cell division cycle 37 homolog, Cdc37 homolog, CDC37 protein, Hsp90 chaperone protein kinase targeting subunit, Hsp90 chaperone protein kinase targeting subunit p50Cdc37, Hsp90 co chaperone Cdc37, p50, p50Cdc37.

PRODUCT SPECIFICATION

Molecular Weight

44.4Da (378aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CDC37, an essential gene in *Saccharomyces cerevisiae*, interacts genetically with multiple protein kinases.

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Cdc37 associates with the heat-shock protein 90 (Hsp90) molecular chaperone as one of several auxiliary proteins that are collectively referred to as Hsp90 co-chaperones. Cdc37 up-regulation is a common early event in some localized human cancers. Recombinant CDC37 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

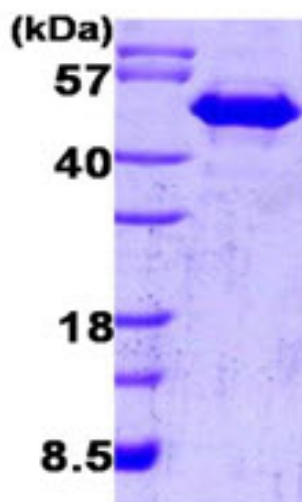
MVDYSVWDHI EVSDDEDETH PNIDTASLFR WRHQARVERM EQFQKEKEEL DRGCRECKRK VAECQRKLKE LEVAEGGKAE
LERLQAEAQQ LRKEERSWEQ KLEEMRKKEK SMPWNVDTLK KDGFSKSMVN TKPEKTEEDS EEVREQKHKT FVEKEYEKQIK
HFGMLRRWDD SQKYLSDNVH LVCEETANYL VIWCIDLEVE EKCALMEQVA HQTIVMQFIL ELAKSLKVDP RACFRQFFTK
IKTADRQYME GFNDELEAFK ERVRGRAKLR IEKAMKEYEE EERKKRLGPG GLDPVEVYES LPEELQKCFD VKDVQMLQDA
ISKMDPTDAK YHMQRCDISG LWVPNSKASE AKEGEEAGPG DPLLEAVPKT GDEKDVSV

General References

Boudeau J., (2003) *Biochem J.* 370(3):849-57
Abbas-Terki T., (2002) *Biol Chem.* 383(9):1335-42

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)