

## Datasheet for ABIN7317809 **CDC37 Protein (GST tag)**



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### Overview

Quantity:	50 µg
Target:	CDC37
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC37 protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human CDC37/CDC37A Protein (GST Tag)
Sequence:	Met 1-Val 378
Characteristics:	A DNA sequence encoding the full length of human CDC37 (NP_008996.1) (Met 1-Val 378) was fused with the GST tag at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CDC37
Alternative Name:	CDC37/CDC37A ( <a href="#">CDC37 Products</a> )
Background:	Background: CDC37 is a protein that is expressed in proliferative zones during embryonic development and in adult tissues, consistent with a positive role in proliferation and is required for cell division in budding yeast. CDC37 is though to play an important role in the

## Target Details

establishment of signaling pathways controlling cell proliferation through targeting intrinsically unstable oncoprotein kinases such as Cdk-4, Raf-1, and src to the molecular chaperone Hsp90. Decreased Hsp90 expression can reduce the levels of microtubule-associated protein tau, whose overexpression may induce many diseases. CDC37 is considered as a co-chaperone that is classified to Hsp90's accessory proteins. It has been reported that suppression of Cdc37 destabilized tau, leading to its clearance, whereas cdc37 overexpression preserved tau. Cdc37 was found to co-localize with tau in neuronal cells and to physically interact with tau from human brain. Moreover, Cdc37 levels significantly increased with age.

Synonym: P50CDC37

Molecular Weight: 70.7 kDa

NCBI Accession: [NP\\_008996](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 0.5 mM GSH, 0.5 mM PMSF, 10 % glycerol, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.