

CDC37 Protein, Mouse (sf9)

Cat. No.:	HY-P75363
Synonyms:	Hsp90 co-chaperone Cdc37; CDC37; CDC37A
Species:	Mouse
Source:	Sf9 insect cells
Accession:	Q61081 (N-G&P, M1-A379)
Gene ID:	12539
Molecular Weight:	Approximately 46 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>CDC37 protein is a co-chaperone that binds to various kinases and facilitates their interaction with the Hsp90 complex, leading to the stabilization and activation of these kinases. It inhibits the ATPase activity of HSP90AA1. It is likely to form a complex consisting of chaperones HSP90 and HSP70, co-chaperones STIP1/HOP, CDC37, PPP5C, PTGES3/p23, TSC1, and client protein TSC2. This complex may also include CDK4, AKT, RAF1, and NR3C1, but does not contain STIP1/HOP and PTGES3/p23. CDC37 forms a separate complex with Hsp90/HSP90AB1 and CDK6. It interacts with several proteins including HSP90AA1, AR, CDK4, CDK6, EIF2AK1, RB1, KSR1, FLCN, FNIP1, and FNIP2.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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