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Datasheet for ABIN7318387

## Cytochrome C Protein (His tag)

### Overview

Quantity:	50 µg
Target:	Cytochrome C (CYCS)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cytochrome C protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cytochrome C/CYCS Protein (His Tag)
Sequence:	Gly2-Glu105
Characteristics:	Recombinant Human Cytochrome C is produced by our E.coli expression system and the target gene encoding Gly2-Glu105 is expressed with a 6His 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:	Cytochrome C (CYCS)
Alternative Name:	Cytochrome C/CYCS ( <a href="#">CYCS Products</a> )
Background:	Background: Cytochrome C (CYCS) is a small heme protein that belongs to the cytochrome c family. It is found loosely associated with the inner membrane of the mitochondrion. Cytochrome C is a highly soluble protein that functions as a central component of the electron

## Target Details

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transport chain in mitochondria. CYCS transfers electrons between Complexes III (Coenzyme Q - Cyt C reductase) and IV (Cyt C oxidase). CYCS plays a role in apoptosis. Suppression of the anti-apoptotic members or activation of the pro-apoptotic members of the Bcl-2 family leads to altered mitochondrial membrane permeability resulting in release of cytochrome c into the cytosol. Binding of Cytochrome C to Apaf-1 triggers the activation of caspase-9, which then accelerates apoptosis by activating other caspases.

Synonym: Cytochrome C, CYCS, CYC

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Molecular Weight: 12.8 kDa

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UniProt: [P99999](#)

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Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Frozen, Liquid

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Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 0.15M NaCl, 20 % Glycerol, pH 8.0.

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Storage: -20 °C

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Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.