

## 32-8192: Recombinant Human Cytochrome C/CYCS (C-6His)(Discontinued)

**Gene :** CYCS  
**Gene ID :** 54205  
**Uniprot ID :** P99999

### Description

Source: E. coli.  
MW :12.8kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 0.15M NaCl, 20% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** GDVEKGGKKIFIMKCSQCHTVEKGGKHKTGPNLHGLFGRKTGQAPGYSYTAANKNKGIIWGEDTLMEYLENPKK  
YIPGTMIFVGIKKKEERADLIAYLKKATNELEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.