

## Recombinant human Cytochrome C protein, His & MBP

Catalog Number: bs-41232P

Concentration: >0.5 mg/ml

AA Seq: 1-105/105

Predicted MW: 55

Detected MW: 60 kDa

Tags: His & MBP

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: PBS (pH7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Cytochrome C is an electron transporting protein that resides within the intermembrane space of the mitochondria, where it plays a critical role in the process of oxidative phosphorylation and production of cellular ATP. An increasing amount of interest has been directed toward the role which cytochrome C has been demonstrated to play in apoptotic processes. Following exposure to apoptotic stimuli, cytochrome C is rapidly released from the mitochondria into the cytosol, an event which may be required for the completion of apoptosis in some systems. Cytosolic cytochrome C functions in the activation of caspase 3, an ICE family molecule that is a key effector of apoptosis.

### VALIDATION IMAGES



The purity of the protein is greater than 45% as determined by reducing SDS-PAGE.