

## Native Horse Cytochrome C

**Cat. No.** CYTC-168E    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Purified Native Horse Heart Cytochrome C. CAS Number: 9007-43-6; Iron Assay:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Equine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Horse Heart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Cytochrome c, or cyt c, is a small heme protein found loosely associated with the inner membrane of the mitochondrion. It belongs to the cytochrome c family of proteins. It is a highly soluble protein, unlike other cytochromes, with a solubility of about 100 g/L and is an essential component of the electron transport chain, where it carries one electron. It is capable of undergoing oxidation and reduction, but does not bind oxygen. It transfers electrons between Complexes III and IV. In humans, cytochrome c is encoded by the CYCS gene. |
| <b>Form</b>             | Lyophilized Redish Brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store at 2-8°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### GENE INFORMATION

|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>Gene Name</b>       | CYCS cytochrome c, somatic [ Equus caballus ] |
| <b>Official Symbol</b> | CYCS                                          |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | CYCS; cytochrome c, somatic; cytochrome c;                                                                                                                                                                                                                                                                                                    |
| <b>Gene ID</b>        | <a href="#">100053958</a>                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>    | <a href="#">NM_001164014</a>                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b> | <a href="#">NP_001157486</a>                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>        | Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Colorectal cancer, organism-specific biosystem; |

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