Cytochrome C Reductase

Catalog	Unit
TBS2114 -5U	5U
TBS2114 -10U	10U
TBS2114 -50U	50U

Product Details

Formal Name: Cytochrome C Reductase from Porcine Heart.
Synonyms: NADH hydrogenase.
EC Number: EC 1.6.99.3.
CAS Number: 9027-14-9.
Formulation: Lyophilized Powder, Crude, lyophilized powder containing potassium phosphate, pH approx. 7.0.
Solubility: Soluble in Water or other buffer regents.
Source: Porcine heart
Storage: -20℃
Stability: ≥ 2 years
Protein: 47% in the solid powder.
Activity: > 1.0 units/mg protein
Unit Definition: One unit will reduce 1.0 μmole of oxidized cytochrome c per min at pH 8.5 at 25°C.

Applications

Cytochrome C activity analysis.

Functions

Cytochrome c reductase belongs to a family of enzymes called oxidoreductases which catalyze the shuttling of electrons from one molecule to another. Specifically, cytochrome c reductase functions to transfer electrons between nicotinamide adenine dinucleotide (NAD) cofactors and cytochrome C protein acceptor molecules. Structurally, cytochrome c reductase is a flavoprotein, which means it contains a nucleic acid derivative of riboflavin as a vital component of the enzyme structure. Termed flavin dinucleotide, this region is critical for shuttling the electrons between NAD and cytochrome c and is key for forming ATP.

Relative Products

TBS2115	Cytochrome C Oxidation Colorimetric Assay
TBS2116	Cytochrome C Reductase Activity Colorimetric Assay
TBS2091-100:	Homocysteine Assay (Colorimetric / Fluorometric)
TBS2092-100:	Enolase Activity Assay (Colorimetric / Fluorometric)
TBS2094-100:	Acetaldehyde Assay Kit (Fluorometric)
TBS2079-100:	AMP Assay ((Colorimetric/Fluorometric)
TBS2081-100:	Cyclic AMP (cAMP) Activity Fluorometric Assay
TBS2082-100:	cAMP Phosphodiesterase Activity Fluorometric Assay
TBS2083-100:	Adenosine Fluorometric Assay
TBS2084-100:	Adenosine Deaminase Fluorometric Assay

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