

## Ca<sup>2+</sup>-transporting ATPase

Cat. No. EXWM-4697

Lot. No. (See product label)

### Introduction

#### Description

A P-type ATPase that undergoes covalent phosphorylation during the transport cycle. This enzyme family comprises three types of Ca<sup>2+</sup>-transporting enzymes that are found in the plasma membrane, the sarcoplasmic reticulum and in yeast. The first and third transport one ion per ATP hydrolysed, whereas the second transports two ions. Ca<sup>2+</sup> is transported from the cytosol [side 1] into the sarcoplasmic reticulum in muscle cells [side 2].

#### Synonyms

sarcoplasmic reticulum ATPase; sarco(endo)plasmic reticulum Ca<sup>2+</sup>-ATPase; calcium pump; Ca<sup>2+</sup>-pumping ATPase; plasma membrane Ca-ATPase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.6.3.8

#### Reaction

ATP + H<sub>2</sub>O + Ca<sup>2+</sup>[side 1] = ADP + phosphate + Ca<sup>2+</sup>[side 2]

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.