

## Native Human Myosin Subfragment-1

Cat. No. NATE-0968

Lot. No. (See product label)

### Introduction

#### Description

Myosins comprise a family of ATP-dependent motor proteins and are best known for their role in muscle contraction and their involvement in a wide range of other motility processes in eukaryotes. They are responsible for actin-based motility. The term was originally used to describe a group of similar ATPases found in the cells of both striated muscle tissue and smooth muscle tissue.

#### Applications

Diagnostic Controls, Calibrators & Standards; Testing/Assay Validation; Life Science; Manufacturing

#### Synonyms

Myosin Subfragment-1; Myosin; Myosin S-1; Myosin 1

### Product Information

#### Species

Human

#### Source

Human Heart

#### Form

Lyophilized from 0.02 mM tris, 0.2 M sodium chloride, pH 8.5

#### Activity

1 mg/mg solid

#### Unit Definition

One unit catalyzes the hydrolysis of one micromole of ATP to ADP and inorganic phosphate at pH 7.4 and 25°C.

### Storage and Shipping Information

#### Storage

Store at -20°C

#### Stability

5 years