Creative Enzymes®

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