

calpain-3

Cat. No. EXWM-4229

Lot. No. (See product label)

Introduction

Description

This Ca^{2+} -dependent enzyme is found in skeletal muscle and is genetically linked to limb girdle muscular dystrophy type 2A. The enzyme is activated by autoproteolytic cleavage of insertion sequence 1 (IS1), which allows substrates and inhibitors gain access to the active site. Substrates include the protein itself and connectin/titin. Belongs in peptidase family C2.

Synonyms

p94; calpain p94; CAPN3; muscle calpain; calpain 3; calcium-activated neutral proteinase 3; muscle-specific calcium-activated neutral protease 3; CANP 3; calpain L3

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.22.54

Reaction

Broad endopeptidase activity

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.