

glycoprotein-mannosyl O6-kinase

Cat. No. EXWM-3015

Lot. No. (See product label)

Introduction

Description In humans this phosphorylated trisaccharide is attached to an L-threonine residue of α -dystroglycan, an extracellular peripheral glycoprotein that acts as a receptor for extracellular matrix proteins containing laminin-G domains, and is important for its activity.

Synonyms SGK196; protein O-mannose kinase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.1.183

Reaction $\text{ATP} + \text{O3-[N-acetyl-}\beta\text{-D-galactosaminyI-(1}\rightarrow\text{3)-N-acetyl-}\beta\text{-D-glucosaminyI-(1}\rightarrow\text{4)-}\alpha\text{-D-mannosyl]-L-threonyl/L-seryl-[protein]} = \text{ADP} + \text{O3-[N-acetyl-}\beta\text{-D-galactosaminyI-(1}\rightarrow\text{3)-N-acetyl-}\beta\text{-D-glucosaminyI-(1}\rightarrow\text{4)-}\alpha\text{-D-(6-phospho)mannosyl]-L-threonyl/L-seryl-[protein]}$

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.