

protein O-mannose β -1,3-N-acetylgalactosaminyltransferase

Cat. No. EXWM-2549

Lot. No. (See product label)

Introduction

Description

The human protein is specific for UDP-N-acetyl- α -D-galactosamine as donor. The enzyme is involved in the formation of a phosphorylated trisaccharide on a threonine residue of α -dystroglycan, an extracellular peripheral glycoprotein that acts as a receptor for extracellular matrix proteins containing laminin-G domains.

Synonyms

B3GALNT2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.313

Reaction

UDP-N-acetyl- α -D-galactosamine + 3-O-[N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)- α -D-mannosyl]-L-threonyl-[protein] = UDP + 3-O-[N-acetyl- β -D-galactosaminyl-(1 \rightarrow 3)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 4)- α -D-mannosyl]-L-threonyl-[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.