

## glycosylphosphatidylinositol phospholipase D

Cat. No. EXWM-3733

Lot. No. (See product label)

### Introduction

#### Description

This enzyme is also active when O-4 of the glucosamine is substituted by carrying the oligosaccharide that can link a protein to the structure. It therefore cleaves proteins from the lipid part of the glycosylphosphatidylinositol (GPI) anchors, but does so by hydrolysis, whereas glycosylphosphatidylinositol diacylglycerol-lyase (EC 4.6.1.14) does so by elimination. It acts on plasma membranes only after solubilization of the substrate with detergents or solvents, but it may act on intracellular membranes.

#### Synonyms

GPI-PLD; glycoprotein phospholipase D; phosphatidylinositol phospholipase D; phosphatidylinositol-specific phospholipase D

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.1.4.50

**CAS No.** 113756-14-2

**Reaction**  $6-(\alpha\text{-D-glucosaminyl})\text{-1-phosphatidyl-1D-myo-inositol} + \text{H}_2\text{O} = 6-(\alpha\text{-D-glucosaminyl})\text{-1D-myo-inositol} + 3\text{-sn-phosphatidate}$

**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.