Creative Enzymes®

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-(α-D-glucosaminyl)-1-phosphatidyl-1D-myo-inositol + H2O = 6-(α-D-glucosaminyl)-1D-myo-inositol + 3-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.