



Ceramide glycanase enzyme: Analysis of Glycosphingolipids

Glycosphingolipids (GSLs) are the most abundant and diverse class of glycolipids in animals (and are also present in fungi, plants, and invertebrates). Glycans present on GSLs have important roles in physiology and pathology. The ability to identify and measure GSLs is important for research in developmental neurobiology as well as lysosomal storage diseases such as Tay-Sachs and Gaucher's disease. There is also growing interest in GSLs as possible targets for immunotherapy.

Ceramide glycanase is an enzyme used to release glycans from GSLs to enable their characterisation. It cleaves glycans including GM1, GM2 and GM3 by cleaving the β -glycosyl linkage. Glycans can then be labelled using LudgerTag labelling technology.

We have purified ceramide glycanase from *Hirudo medicinalis* and offer this in a kit along with buffer and GM1 glycolipid substrate.

Product Information:

Cat # LZ-CER-HM-KIT includes enzyme, buffer and GM1 glycolipid substrate

Ludger Products for Analysis of Complex Glycans of GSLs:

Cat# LT-KAB-A2 or LT-KAB-VP24	Ludger Tag™ 2-AB Labeling Kit
Cat# LC-S-A6	LudgerClean S cartridges
Cat# E-S001	Sialidase Alpha- (2-3,6,8,9)
Cat# CN-NA2-20U	NA2 Glycan Internal Standard
Cat# CAB-GHP-30	2-AB Glucose Homopolymer Ladder
Cat# LS-N2-4.6 x 150	Ludger Sep™ N2 High Resolution Amide HPLC Column
Cat# LS-N-BUFFX40	Ludger Sep™ N Buffer 40X concentrate

For a quotation please contact us, info@ludger.com

