

β -Glucocerebrosidase (also called acid β -glucosidase, D-glucosyl-N-acylsphingosine glucohydrolase, or GCase) is an enzyme with glucosylceramidase activity (EC 3.2.1.45) that is needed to cleave, by hydrolysis, the beta-glucosidic linkage of the chemical glucocerebroside, an intermediate in glycolipid metabolism that is abundant in cell membranes (particularly skin cells).

It is localized in the lysosome, where it remains associated with the lysosomal membrane.

β -Glucocerebrosidase is 497 amino acids in length and has a molecular weight of 59700 Daltons.

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