Creative Enzymes
Diagnostic Enzymes

Glucosylceramidase (GBA)

Product Information

Cat#	DIA-731
Descriptions	Glucosylceramidase (GBA) is a lysosomal β-glucosidase that hydrolyzes glucosylceramide into glucose and ceramide to maintain glycosphingolipid metabolic homeostasis, is the deficient enzyme in Gaucher disease, and is a core target for enzyme replacement therapy research.
Applications	Glucosylceramidase (GBA) is suitable for Gaucher disease related detection kits and glycosphingolipid metabolism assay reagent development.
CAS No.	32-1-4552
Enzyme Commission Number	EC 3.2.1.45
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Glucosylceramidase/GBA protein.
Reaction	a beta-D-glucosyl- (1->1′)-N-acylsphing-4-enine + H2O = an N-acylsphing-4-enine + D-glucose
Activity Definition	Measured by its ability to hydrolyze 4-methylumbelliferyl-beta -D-glucopyranoside.

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA