

Galactosylceramidase (GALC)

Product Information

Cat#	DIA-716
Descriptions	Galactosylceramidase (GALC) is a lysosomal hydrolase that catalyzes the hydrolysis of galactosylceramide into galactose and ceramide, is responsible for glycosphingolipid catabolism, and is a key research object for Krabbe disease and lysosomal storage disorder mechanisms.
Applications	Galactosylceramidase (GALC) is used for Krabbe disease related detection kits and glycosphingolipid metabolism assay reagent development.
CAS No.	32-1-4651
Enzyme Commission Number	EC 3.2.1.46
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Galactosylceramidase/GALC protein.
Reaction	a beta-D-galactosyl- (1->1')-N-acylsphing-4-enine + H ₂ O = an N-acylsphing-4-enine + D-galactose
Activity Definition	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl-beta -D-galactopyranoside.