

Alpha-N-Acetylgalactosaminidase (NAGA)

Product Information

Cat#	DIA-614
Descriptions	Alpha-N-acetylgalactosaminidase (NAGA) acts as a specific glycoside hydrolase that cleaves terminal α -N-acetylgalactosamine residues from glycoproteins and glycolipids, participates in lysosomal glycoconjugate catabolism, and serves as a core research tool for glycolipid metabolism analysis and related lysosomal storage disorder studies.
Applications	Alpha-N-acetylgalactosaminidase (NAGA) serves as a key raw material for Schindler disease detection kits and lysosomal carbohydrate metabolism disorder assay reagent development.
CAS No.	32-1-4949
Enzyme Commission Number	EC 3.2.1.49
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human alpha-N-acetylgalactosaminidase/NAGA protein.
Reaction	Cleavage of non-reducing alpha- (1->3)-N-acetylgalactosamine residues from human blood group A and AB mucin glycoproteins, Forssman hapten and blood group A lacto series glycolipids.
Activity Definition	Measured by its ability to cleave alpha -N-acetylgalactosaminy from 4-Nitrophenyl N-acetyl-alpha -D-galactosaminide.