

N-Acetylgalactosamine-6-Sulfatase (GALNS)

Product Information

Cat#	DIA-769
Descriptions	N-Acetylgalactosamine-6-Sulfatase (GALNS) is a lysosomal sulfatase that removes 6-sulfate groups from N-acetylgalactosamine residues in keratan sulfate and chondroitin sulfate, and its deficiency leads to mucopolysaccharidosis type IVA (Morquio A syndrome).
Applications	N-Acetylgalactosamine-6-Sulfatase (GALNS) serves as a core raw material for Morquio A syndrome detection kits and glycosaminoglycan metabolism assay reagent development.
CAS No.	31-6-4065
Enzyme Commission Number	EC 3.1.6.4
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human N-Acetylgalactosamine-6-S.
Reaction	Hydrolysis of the 6-sulfate groups of the N-acetyl-D-galactosamine 6-sulfate units of chondroitin sulfate and of the D-galactose 6-sulfate units of keratan sulfate.
Activity Definition	Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS) under the described conditions.