

Glucosamine (N-acetyl)-6-Sulfatase (GNS)

Product Information

Cat#	DIA-724
Descriptions	Glucosamine (N-acetyl)-6-Sulfatase (GNS) is a lysosomal sulfatase that hydrolyzes 6-O-sulfate groups from N-acetylglucosamine residues in heparan sulfate, mediates glycosaminoglycan catabolism, and is the pathogenic enzyme of mucopolysaccharidosis type IIID.
Applications	Glucosamine (N-acetyl)-6-Sulfatase (GNS) is widely used in mucopolysaccharidosis type IIID detection kits and glycosaminoglycan metabolism assay reagent development.
CAS No.	31-6-1463
Enzyme Commission Number	EC 3.1.6.14
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Glucosamine (N-acetyl)-6-Sulfatase/GNS protein.
Reaction	Hydrolysis of the 6-sulfate groups of the N-acetyl-D-glucosamine 6-sulfate units of heparan sulfate and keratan sulfate.
Activity Definition	Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS) under the described conditions.