

N-acylhexosamine Oxidase (RsHexNacO)

Product Information

Cat#	DIA-852
Descriptions	N-acylhexosamine Oxidase (RsHexNacO) catalyzes the oxidation of N-acetylhexosamine substrates at the C1 hydroxyl group to generate corresponding aldonic acids and hydrogen peroxide, exhibits high substrate specificity for N-acetylglucosamine and N-acetylgalactosamine, and is applied for glycosaminoglycan analysis and carbohydrate detection.
Applications	N-acylhexosamine Oxidase (RsHexNacO) is used for glycosaminoglycan detection kits and carbohydrate structure assay reagent development.
Features	1.Sourced from fermentation process, non-viruses and other cross-contaminations. 2.Biological activity is more than 10,000 U/mg. 3.Purity is more than 95% by electrophoresis method. 4.Thermostable under 90°C for 120 minutes. 5. Stable under pH 3.0-11.0 and room temperature for 2 years. 6. Well-absorbed with low molecular weight. 7.Good bioavailability.
CAS No.	111-3-29
Enzyme Commission Number	EC 1.1.3.29
Enzyme Source	E.coli recombinant N-acylhexosamine oxidase from Ralstonia solanacearum.
Reaction	N-acetyl-D-glucosamine+O ₂ +H ₂ O = N-acetyl-D-glucosamine+H ₂ O ₂
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol H ₂ O ₂ per minute at 37°C.