

Beta-Glucuronidase from Escherichia coli

Product Information

Cat#	DIA-515
Source	Escherichia coli
Description	High purity recombinant β -glucuronidase (Escherichia coli) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Solution
ECNumber	3.2.1.31
Activity	~ 15,000 U/mg (37 °C, pH 6.8 on phenolphthalein- β -D-glucuronide) ~ 50 U/mg (37 °C, pH 7.5 on pNP- β -D-glucuronide)
Optimum pH	6.8
Optimum temperature	37 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	30000 U/mg protein: One unit of β -D-glucuronosidase activity is defined as the amount of enzyme required to release one μ g of phenolphthalein per hour from phenolphthalein- β -D-glucuronide (0.5 mM) in sodium phosphate buffer (100 mM) at pH 6.8 and 37 °C. 110 U/mg protein: One unit of β -D-glucuronosidase activity is defined as the amount of enzyme required to release one μ mole of p-nitrophenol per minute from pNP- β -D-glucuronide (1 mM) in Tris HCl buffer (100 mM) pH 7.5 and 37 °C, monitored at 410 nm.
Storage	2–8 °C
Synonyms	β -D-glucuronoside glucuronosohydrolase; GUS
Buffer	Tris HCl/NaCl/EDTA
Molecular Weight	82600 Da
Concentration	~ 250 U/mL
Specificity	Hydrolysis of non-reducing terminal β -D-glucuronic acid residues from glycoproteins

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and oligosaccharides of glycoconjugates.
