

Galactose Oxidase (FgGalOx-M1)

Product Information

Cat#	DIA-714
Descriptions	Galactose oxidase (FgGalOx-M1) is an engineered copper-containing oxidase that oxidizes primary hydroxyl groups of galactose and galactosides to corresponding aldehydes, exhibits improved stability and activity, and is used for glycoprotein labeling and carbohydrate detection.
Applications	Galactose oxidase (FgGalOx-M1) is applied in glycoprotein labeling detection kits and carbohydrate content assay reagent development.
CAS No.	111-3-91
Enzyme Commission Number	EC 1.1.3.9
Enzyme Source	E.coli recombinant Fg Gal Ox-M1 from Fusarium graminearum.
Reaction	$\text{RCH}_2\text{OH} + \text{O}_2 = \text{RCHO} + \text{H}_2\text{O}_2$
Activity Definition	The amount of enzyme required to catalyze 2 Mumol ABST per minute (2 Mumol ABST is equivalent to 1 Mumol O ₂)