

Beta-Galactosidase (EcLacZ)

Product Information

Cat#	DIA-648
Descriptions	Beta-Galactosidase (EcLacZ) encoded by the E. coli lacZ gene catalyzes the hydrolysis of lactose into glucose and galactose, features well-characterized enzymatic properties, and is the most widely used reporter enzyme in molecular biology and gene expression research.
Applications	Beta-Galactosidase (EcLacZ) serves as a classic reporter enzyme for gene expression detection kits and molecular biology assay reagent development.
CAS No.	32-1-232
Enzyme Commission Number	EC 3.2.1.23
Enzyme Source	E.coli recombinant Beta-galactosidase from E.coli.
Reaction	GalBeta1, 4Glc = Gal+Glc
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the hydrolysis of 1 µmol GalBeta1,4Glc per minute at 37°C.