



IMMUNO REAGENTS

β-galactosidase



Features

- Hydrolase enzyme
- Hydrolysis of β-galactosides into monosaccharides
- Supplied as lyophilized powder
- High specific activity

Product description

β-galactosidase is a hydrolase enzyme that catalyzes the hydrolysis of β-galactosides into monosaccharides. The protein comprises four chains and has a molecular weight of 464 kDa (each subunit is 116 kDa).

Medicago's β-galactosidase is a recombinant protein expressed in *E. Coli* and purified by affinity chromatography. The material is provided as a lyophilized, white powder and its specific activity is 230-375 Units/mg protein at 410 nm, pH 7.0 and 25°C.

The material is to be used For laboratory use only.

Applications

- Reporter molecule
- Cloning studies
- Blue/white screening of recombinant clones

Directions for use

One vial contains approximately 25 mg (8KU) lyophilizate of partly purified enzyme. Reconstitution of this lyophilizate in 4 ml of water gives a solution of approximately 1 mM Tris-HCl, pH 7.2 and 1 mM MgCl₂.

Shipping and storage

The enzyme is shipped at room temperature and is stable for five years when stored at -20°C in an unbroken package. Repeated freezing and thawing is not recommended.

Specifications

Content	25 mg (8 KU) lyophilizate/vial
Format	lyophilized powder
Activity	230-375 Units/mg protein at 410 nm with pH 7.0 at 25°C
Purity	> 95 %
Storage	-20°C

Ordering information

Article no.	Product name	Pack size
10-1101-25	β-galactosidase	200 ml