



## Product Information

### Recombinant *Bifidobacterium longum* $\beta$ -galactosidase 2A

**Cat. No.:** X23-08-YM346

**Size:** 0.5 mg; 1 mg; 1.5 mg; 2 mg

**Enzyme Commission Number:** 3.2.1.23

**Synonym:** *BLac2A*; Beta-galactosidase; Acid beta-galactosidase;  $\beta$ -D-Galactopyranosidase

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

Description	Recombinant <i>Bifidobacterium longum</i> $\beta$ -galactosidase 2A produced by <i>Escherichia coli</i> , is a crucial enzyme in the human body and is responsible for hydrolyzing galactosides into galactose.
Expression System	<i>Escherichia coli</i>
Species	<i>Bifidobacterium longum</i>
Concentration	0.5 mg/mL
Form	Liquid
Purity	$\geq 90\%$ , determined by SDS-PAGE.
Activity	$\beta$ -Galactosidases
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM $\text{CaCl}_2$ , and 25% (v/v) glycerol
Applications	Recombinant <i>Bifidobacterium longum</i> $\beta$ -galactosidase 2A is applied for the structural research of sugar, the measurement of lactose, and as an enzyme label for enzyme immunoassay. It has the ability to hydrolyze 6-galactobiose.
Storage	Store at $-20^\circ\text{C}$ .