

## lacZ

### Native Beta-Galactosidase Protein Active

<b>Catalog No.</b>	CSI13550	<b>Quantity:</b>	1000 U
<b>Alternate Names:</b>	beta-Galactosidase protein, B-Galactosidase protein, B-Gal protein, BGAL protein		
<b>Description:</b>	Beta Galactosidase full length protein - B-galactosidase, also called beta-gal or B-gal, is a hydrolase enzyme that catalyzes the hydrolysis of B-galactosides into monosaccharides. Substrates of different Beta-galactosidases include ganglioside GM1, lactosylceramides, lactose, and various glycoproteins. Lactase is often confused as an alternative name for B-galactosidase, but it is actually simply a sub-class of B-galactosidase.		
<b>Gene ID:</b>	1036228		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	465.396 kDa		
<b>Formulation:</b>	Supplied as a lyophilized powder from Tris salts and Magnesium Chloride, 1.9 mg solid. 722 Units per mg protein.		
<b>Purity:</b>	~80% protein (Biuret)		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with 0.1 M NaPO <sub>4</sub> buffer, pH 7.3		
<b>Storage &amp; Stability:</b>	Store at -20° C. <b>Avoid repeated freeze-thaw cycles.</b>		

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