



# Recombinant Escherichia coli Beta-galactosidase (lacZ)

<b>Product Code</b>	CSB-MP009476ENV
<b>Abbreviation</b>	Recombinant E.coli lacZ protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P00722
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>           TMITDSLAVVLQRRDWENPGVTQLNRLAAHPPFASWRNSEEARTDRPSQQLR            SLNGEWRFAWFPAPEAVPESWLECDLPEADTVVPSNWQMHGYDAPIYTNV            TYPITVNPFFVPTENPTGCYSLTFNVDESWLQEGQTRIIFDGVNSAFHLWCNG            RWVGYGQDSRLPSEFDLSAFLRAGENRLAVMVLRWSDGSYLEDDQDMWRMS            GIFRDVSLHKPTTQISDFHVATRFNDDFSRAVLEAEVQMCGELRDYLRVTVSL            WQGETQVASGTAPFGGEIIDERGGYADRVTLRNLNVENPKLWSAEIPNLYRAVV            ELHTADGTLIEAEACDVGFREVRIENGLLLLNGKPLLIRGVNRHEHHPLHGQVM            DEQTMVQDILLMKQNNFNVAVRCSHYPNHPLWYTLCDRYGLYVDEANIETHG            MVPMNRLTDDPRWLPAMSERVTRMVQRDRNHPSVIIWSLGNESGHGANHDA            LYRWIKSVDPSPRVQYEGGGADTTATDIICPMYARVDEDQFPFAVPKWSIKKW            LSLPGETRPLILCEYAHAMGNSLGGFAKYWQAFRQYPRLQGGFVWDWVDQS            LIKYDENGNPWSAYGGDFGDTPNDRQFCMNLVFAADRTPHPALTEAKHQQQ            FFQFRLSGQTIEVTSEYLFRRHSDNELLHWMVALDYGKPLASGEVPLDVAPQ GK            QLIELPELPQPESAGQLWLTVRVVQPNATAWSEAGHISAWQQWRLAENLSVT            LPAASHAIPHLTTSEMDFCIELGNKRWQFNRSQSGFLSQMWIGDKKQLLTPLRD            QFTRAPLDNDIGVSEATRDPNAWVERWKAAGHYQAEAAALLQCTADTLADAVL            ITTAHAWQHQGKTLFISRKTYRIDGSGQMAITVDVEVASDTPHPARIGLNCQLA            QVAERNWLGLGPQENYPDRLTAACFDRWDLPLSDMYTPYVFPSENGLRGCG            TRELNYGPHQWRGDFQFNISRYSQQLMETSHRHLLHAEEGTWLNIDGFHM            GIGGDDSWSPSVSAEFQLSAGRYHYQLVWCQK         </p>
<b>Research Area</b>	Tags & Cell Markers
<b>Source</b>	Mammalian cell
<b>Target Names</b>	lacZ
<b>Protein Names</b>	Recommended name: Beta-galactosidase EC= 3.2.1.23 Alternative name(s): Acid beta-galactosidase Short name= Lactase Elastin receptor 1
<b>Expression Region</b>	2-1024aa

**Notes**

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info**

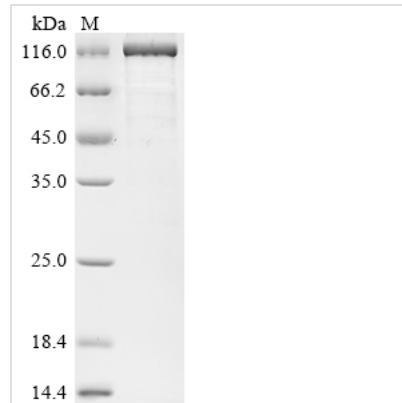
N-terminal 10xHis-tagged and C-terminal Myc-tagged

**Mol. Weight**

121.4

**Protein Length**

Full Length of Mature Protein

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.