Product datasheet

beta Galactosidase protein ab79449

1 References

Overview

Product name beta Galactosidase protein
Protein length Full length protein
Description Native E. coli beta Galactosidase protein

Description

Nature Native
Source Escherichia coli

Amino Acid Sequence

Species Escherichia coli

Specifications

Our Abpromise guarantee covers the use of ab79449 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Form Liquid
Additional notes Beta Galactosidase was prepared chromatographically. This product has been sterile filtered.

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C.
pH: 7.80
 Constituents: 0.42% Potassium phosphate, 10% Sucrose

General Info

Relevance Beta galactosidase is coded by a gene (lac z) in the lac operon of Escherichia coli. It is a metalloenzyme that splits lactose into glucose and galactose. It hydrolyzes terminal, non-reducing beta-D-galactose residues in beta-D-galactosides. Activation by cations seems to be substrate dependent. K+, Na+, NH4+, Rb+, Cs+ and Mn++ all activate enzyme activity based upon the substrate used.
Cellular localization

Cytoplasmic

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