

Probable Alpha Galactosidase B Protein, Aspergillus niger, Recombinant (His)

General Information

Synonyms: aglB; Probable alpha-galactosidase B; Melibiase B

Protein Construction: 21-443 aa

Species: Aspergillus niger

Expression Host: P. pastoris (Yeast)

Accession: A2QEJ9

Molecular Weight: 48.7 kDa (predicted)

AA Sequence:

```
DGVGRTPALGWSWNAYS CDIDADKIVTAANEVNLGLKDLGYEYINIDDCWSVKSGRNTTKRIIPDPDKFP
NGISGVADQVHALGLKGLIYSSAGLTTCAGYPASLG YEEIDAQSFAEWGIDYLYKDYDNCGVPTNLTDQYTYCVP
DSTDGSNYPNGTCVNLTD AAPQGYDWATSTTAKRYQMRDALLSVNRTILYSLCDWQADVNAWGNATG
NSWRMSGDITATWSRIAEIANENSFLMNYANFWGYPDPDMLEVGNGNLTLPENRAHFALWAMMKAPLIIGT
PLDSIDTSHLTILSNKPL LTFHQDAVIGRPAYPYKWGYNPDWTFDPEHPAEYWSGPTSSGEVFLMLNSEGEV
KTRSAVWEEVPELKDRG TKKNSKEKKGFKVTD AWTGKDLGCVKDKYEVLQAHDVAVLVGGQC
```

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Hydrolyzes a variety of simple alpha-D-galactoside as well as more complex molecules such as oligosaccharides and polysaccharides.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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