β1-3 Galactosidase is a highly specific exoglycosidase that catalyzes the hydrolysis of β1-3 and, at a much lower rate, β1-6 linked α-galactopyranosyl residues from oligosaccharides. The approximate kinetic data show > 100-fold preference for β1-3 over β1-6 linkages (1,2) and > 500-fold preference from β1-3 over β1-4 linkages (3).

P0726S

500 units 10,000 U/ml Lot: 0071506
RECOMBINANT Store at –20°C Exp: 6/17

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New Reaction Buffer

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New Reaction Buffer
Physical Purity: Purified to > 95% homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.

No other glycosidase activities were detected (ND) with the following substrates:

- **β-N-Acetyl-glucosaminidase:**
  - GlcNAcβ1-4GlcNAcβ1-4GlcNac-AMC ND

- **α-Fucosidase:**
  - Fucx1-2Galβ1-4Glc-AMCGalβ1-4(Galx1-3)GlcNAcβ1-3Galβ1-4Glc-AMC ND

- **α-Galactosidase:**
  - Galx1-3Galβ1-4Gal-AMC ND

- **α-Neuraminidase:**
  - Neu5Aca2-3Galβ1-3GlcNAcβ1-3Galβ1-4Glc-AMC ND

- **α-Mannosidase:**
  - Manx1-3Manβ1-4GlcNAc-AMC Manx1-6Manx1-6(Manx1-3)Man-AMC ND

- **β-Glucosidase:**
  - Glcβ1-4Glcβ1-4Glc-AMC ND

- **β-Xylosidase:**
  - Xylβ1-4Xylβ1-4Xylβ1-4Xyl-AMC ND

- **β-Mannosidase:**
  - Manβ1-4Manβ1-4Man-AMC ND

- **Endo F1, F2, H:**
  - Dansylated invertase high mannose. ND

- **Endo F3, F4:**
  - Dansylated fibrinogen biantennary. ND

- **PNGase F:**
  - Fluoresceinated fetuin triantennary. ND

**Protease Assay:**

After incubation of 100 units of β1-3 Galactosidase with 0.2 nmol of a standard mixture of proteins in a 20 µl reaction, for 20 hours at 37°C, no proteolytic activity could be detected by SDS-PAGE.

**Note:**

Recommended storage temperature has changed to −20°C.

Avoid repeated freeze/thaw cycles.

**References:**


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