

Certificate of analysis

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| Product Name/Description: | Glycopeptidase F (Peptide:N-glycosidase F) | | |
| Cat. #: | 4450 | | |
| Lot #: | Specified on product label | | |
| Storage Conditions: | -20 degrees C | | |
| Expiration Date: | Specified on product label or package | | |
| Package Size: | 25 mU | | |
| Package Contents: | 1. Glycopeptidase F (Peptide:N-glycosidase F) | 500 mU/ml | 25 mU |
| | 2. Denature Buffer (1% SDS/1 M Tris-HCl pH 8.6) | | 500 µl |
| | 3. Native Buffer (1 M Tris-HCl pH 8.6) | | 500 µl |
| | 4. Stabilizer Solution (5% Nonidet P-40) | | 500 µl |
| | 5. Control glycoprotein (10 mg/ml Bovine fetuin) | | 10 µl |

Note: Storage condition of component "Glycopeptidase F": Store at 4 degrees C once it thawed. Avoid freeze-thaw cycles.

Quality Control Data:

Protease contamination test:

No protease activity was detected, when 25 mU of this enzyme was incubated with 2 nmol of oxidized insulin β chain at pH 8.5 for 16 hours at 37°C and analyzed by HPLC.

Endo- β -N -acetylglucosaminidase contamination test:

Endoglycosidase F activity in this enzyme was measured by analyzing by HPLC after 5 mU of this enzyme was incubated with 100 pmol of DNS Asn-M5 at pH 5.0 for 16 hours at 37°C. Endoglycosidase F activity relative to Glycopeptidase F activity was equal to or less than 0.000068%.

Exoglycosidase contamination test:

No α -galactosidase, β -galactosidase, β -N-acetylglucosaminidase, α -mannosidase, α -fucosidase and α -sialidase activities was detected, when 5 mU of this enzyme was incubated with 20 pmol of pyridylamino sugar chains at pH 8.5 for 16 hours at 37°C and analyzed by HPLC.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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