

endo-1,4- β -XYLANASE (Neocallimastix patriciarum)

08/23

Recombinant

E-XYLNP

Catalytic domain of Xyn11A from *Neocallimastix patriciarum*

EC: 3.2.1.8

Synonyms: *endo-1,4-beta-xylanase*; 4-beta-D-xylan xylanohydrolase

CAZy Family: GH11

CAS: 9025-57-4

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 25,800)
- Single major band on isoelectric focusing (pI ~ 6.5)

2. PHYSICOCHEMICAL PROPERTIES:

- | | |
|------------------------|--|
| pH Optima: | 6.0-6.5 |
| pH Stability: | 3.0-9.0 (> 75% control activity after 24 h at 4°C) |
| Temperature Optima: | 50°C (10 min. reaction) |
| Temperature Stability: | up to 50°C (> 90% control activity after 15 min.) |

3. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium phosphate buffer (100 mM), pH 6.0 containing 0.5 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**