β-D-XYLOSIDASE (*Selenomonas ruminantium*)

08/23

Recombinant

E-BXSR-1KU

EC: 3.2.1.37
Synonyms: xylan 1,4-beta-xylosidase; 4-beta-D-xylan xylohydrolase
CAZy Family: GH43
CAS: 9025-53-0

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

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 61,900)
- One major band on isoelectric focusing (pI ~ 5.4)

2. SPECIFICITY:

Hydrolysis of (1,4)-β-D-xylans and xylo-oligosaccharides to remove successive D-xylose residues from non-reducing termini.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 6.0-7.5 and up to 40°C

pH Optima:	5.0
pH Stability:	5.0-9.0 (> 75% control activity after 24 h at 4°C)
Temperature Optima:	70°C (10 min reaction)
Temperature Stability:	up to 50°C (> 75% control activity after 15 min incubation at temperature

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium succinate buffer (50 mM), pH 5.3 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA: