

We offer various packaging (protein concentration, activity, etc.) if necessary.

## Data sheet

Enzyme	; <b>Xylanase YK1</b>
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Code ; XYL-54-01

Lot No. ; 1-H101AT

Protein conc. ; mg/ml

Volume ; ml

Form ; mM Tris-HCl (pH 8.0)

Storage ; -20 °C \*Avoid repeated freeze and thaw cycles.

Activity ; U/ml

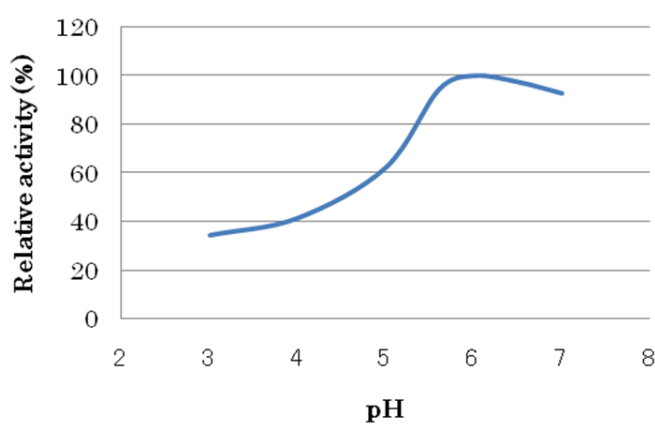
Notes ; For research use only.

### Activity measurement

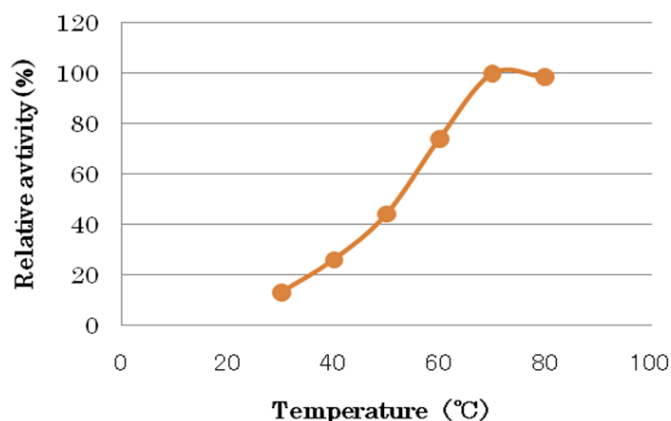
Reaction mix (100 mM sodium acetate buffer (pH 6.0), 5 mg Xylan (SIGMA:X0627) and appropriate amount of the enzyme) was incubated at 60 °C and the reducing power was measured by the modified Somogyi-Nelson methods.\* One unit is defined as the amount of the enzyme producing reducing power equivalent to 1  $\mu$ mol of xylose per 1 minute using Xylan as a substrate.

\*Hiromi et al. (1963) Bull Chem Soc Jpn 36: 563-569

### pH profile



### Temperature profile



Thermostability