

## CAZyme Xylanase 16 Technical Specifications

10 mg/ml  
Cat. No.: 30660-1  
Lot No.

### Store at 4°C.

For *In Vitro* Research Use Only.

Not for Drug or Diagnostic use. Not for use in humans or animals.



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<b>Product Description</b>	Xylanase 16, thermophilic, recombinant expressed in <i>P. pastoris</i> . MW = 38.0 kDa
<b>Purity</b>	>90% pure on Coomassie stained SDS-PAGE.
<b>Recommended Reaction Conditions</b>	Xylanase 16 works best at pH 5 and 70°C in 50 mM sodium acetate buffer.
<b>Specific Activity</b>	214 units/mg.
<b>Activity Determination</b>	One xylanase unit will produce 1 micromole of reducing sugar per minute at 50°C from a 2% solution of birchwood xylan (Sigma, X-0502) in 50 mM sodium acetate, pH 5.0. Assay method available upon request.
<b>Protein Concentration</b>	10 mg/ml total protein as measured using Photometric absorption at 280 nm. The concentration was calculated using the absorption coefficient of 1.654 (abs @ 1mg/ml).
<b>Stability</b>	Store at 4°C. If properly stored, this product is guaranteed for 6 months from date of purchase.
<b>Storage Buffer</b>	50 mM Na-Acetate (pH 5), 20% glycerol.

**Length:**347 aa  
**Theoretical pI:** 7.0  
**Theoretical MW:** 38.07 kDa  
**PFAM Structure:** GH10  
**Activity:** endo-xylosidase  
**Typical Specific Activity:** 180-250 U/mg  
**Leader:** (-)  
**Dockerin:** (-)  
**Histag:** (-)

Figure 1. Features of recombinant CAZyme Xylanase 16.

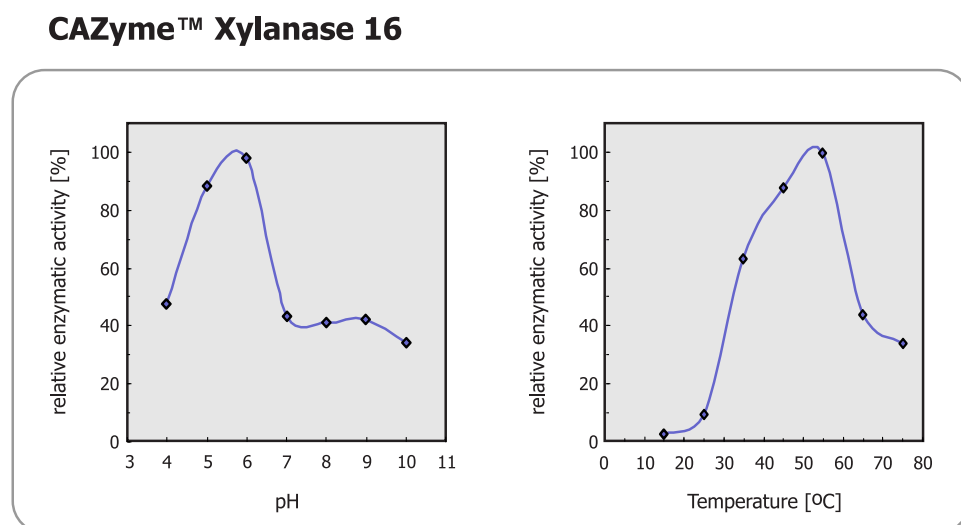


Figure 2. Temperature and pH tolerance of CAZyme Xylanase 16. Assay conditions available upon request

### Warranty

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