

## Endo- $\beta$ -N-acetylglucosaminidase F2

Cat. No.:	HY-E70133	
CAS No.:	37278-88-9	
Target:	Others	
Pathway:	Others	Endo- $\beta$ -N-acetylglucosaminidase F2
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month

### BIOLOGICAL ACTIVITY

<b>Description</b>	Endo- $\beta$ -N-acetylglucosaminidase F2 (Endo F2), a highly specific endoglycosidase, cleaves within the chitobiose core of asparagine-linked complex biantennary and high mannose oligosaccharides from glycoproteins and glycopeptides. Endo F2 cleaves biantennary glycans at a rate approximately 20 times greater than high mannose glycans. The activity of Endo F2 is identical on biantennary structures with and without core fucosylation. Endo F2 is not active on hybrid or tri- and tetra-antennary oligosaccharides <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	others
<b>In Vitro</b>	<p>Protocol</p> <ol style="list-style-type: none"><li>1) For 10 <math>\mu</math>g of glycoprotein, add 1 <math>\mu</math>l of 500 mM sodium acetate (pH 5.5), and adjust the volume to 10 <math>\mu</math>L with deionized water;</li><li>2) Add 1-2 <math>\mu</math>L of Endo F2, pipe gently to mix;</li><li>3) Incubate at 37 °C for 1 hour;</li><li>4) Analyze by SDS-PAGE or mass spectrometry;</li></ol> <p>Note: Incubation time or enzyme amount needs to be optimized according to actual conditions. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. RB Trimble, et al. Identification of distinct endoglycosidase (endo) activities in Flavobacterium meningosepticum: endo F1, endo F2, and endo F3. Endo F1 and endo H hydrolyze only high mannose and hybrid glycans. J Biol Chem. 1991 Jan 25;266(3):1646-51.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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