

Endo-β-N-acetylglucosaminidase D

Cat. No.:	HY-E70132		
CAS No.:	37278-88-9		
Target:	Others		
Pathway:	Others		Endo-β-N-acetylglucosaminidase D
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

BIOLOGICAL ACTIVITY

Description	Endo-β-N-acetylglucosaminidase D (Endo D), isolated from <i>Streptococcus pneumoniae</i> . Endo-β-N-acetylglucosaminidase D hydrolyzes Fc N-glycan of intact IgG antibodies after sequential removal of the sialic acid, galactose, and internal GlcNAc residues in the N-glycan. Endo-β-N-acetylglucosaminidase D possesses transglycosylation activity with sugar oxazoline as the donor substrate ^[1] .
IC₅₀ & Target	others
In Vitro	<p>Protocol</p> <ol style="list-style-type: none"> 1) For 10 μg of Fetuin, add 1 μL of 500 mM sodium acetate (pH 7.5), and adjust the volume to 10 μL with deionized water; 2) Add 1-2 μL Endo D, gently pipet to mix; 3) Incubate at 37 °C for 1 hour; 4) Analyze by SDS-PAGE or mass spectrometry. <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]. Shu-Quan Fan, et al. Remarkable Transglycosylation Activity of Glycosynthase Mutants of Endo-D, an Endo-β-N-acetylglucosaminidase from *Streptococcus pneumoniae*. *J Biol Chem*. 2012 Mar 30; 287(14): 11272–11281.

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

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