



OglyZOR®

Lyophilized

STORE AT

-20°C



FOR RESEARCH USE ONLY

Instructions for Use

OglyZOR Lyophilized 2000 units (G2-OG1-020)
Process 2 mg O-glycoprotein



Hydrolysis of Core 1 O-glycans on Glycoproteins

PREPARATIONS

Additional Materials Required

- Digestion buffer: 20 mM Tris, pH 6.8.¹

Sample Preparation

Prepare the glycoprotein in the digestion buffer.
The final glycoprotein concentration in the digestion reaction should be 0.1-2 mg/ml.

1. Optimal activity is achieved at pH 6.5-7.5.

WORKFLOW

1. Prepare OglyZOR and SialEXO

- 1.1 Reconstitute OglyZOR and SialEXO in 50 μ l ddH₂O each, to a concentration of 40 units/ μ l.²

2. Add SialEXO

- 2.1 Add 1 unit SialEXO / 1 μ g glycoprotein.³

3. Add OglyZOR

- 3.1 Add 1 unit OglyZOR / 1 μ g glycoprotein.³

4. Deglycosylation

- 4.1 Incubate for 2-4 h at 37°C.

2. To prevent microbial contamination, sodium azide can be added to the solution to a final concentration of 0.02 - 0.05% (w/v).
3. A higher enzyme concentration may increase digestion efficiency of individual glycoproteins. This requires optimization.

