



GaINAcEXO®

Lyophilized

STORE AT

-20°C



FOR RESEARCH USE ONLY

Instructions for Use

GaINAcEXO® Lyophilized 2000 units (G1-NA1-020)
Process 2 mg glycoprotein



Preparations

Additional Materials Required

- Reaction buffer: 20mM Tris, pH 6.8.¹

1. GalNAcEXO Lyophilized displays high activity in buffers with pH 6.0-7.6, and over a wide range of ionic strengths (0-500mM NaCl). Optimization might be required if a buffer other than the recommended reaction buffer is used.

Hydrolysis of α -linked GalNAcs

Sample Preparation

Prepare the glycoprotein in the reaction buffer. The final glycoprotein concentration in the reaction should be 0.5-5.0mg/ml.

1. Prepare GalNAcEXO

1.1 Reconstitute GalNAcEXO in 100 μ l ddH₂O to a concentration of 20 units/ μ l.

2. Add GalNAcEXO

2.1 Add 1 unit GalNAcEXO / 1 μ g glycoprotein.²

3. Enzymatic Reaction

3.1 Incubate for 2-18h at 37°C.

Note: Optimization of enzyme concentrations and incubation time may be needed depending on the substrate.

2. A higher enzyme concentration may increase digestion efficiency of individual glycoproteins. This requires optimization.

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