

OglyZOR® Lyophilized



FOR RESEARCH USE ONLY

Instructions for Use

OglyZOR Lyophilized 2000 units (G2-OG1-020) Process 2 ma O-alycoprotein



Lyophilized Enzyme for Hydrolysis of Core 1 O-glycans on Glycoproteins

OglyZOR is an endoglycosidase (endo-α-N-acetylgalac-

mix of sialidases for removal of α2-3, α2-6 and α2-8-linked

sialic acids, is supplied together with OglyZOR Lyophilized.
Optimal activity is obtained at pH 6.5-7.5 and 37°C.
OglyZOR is derived from *Streptococcus oralis* and expressed in *E. coli*. The enzyme contains a His-tag and the molecular weight is 227 kDa. SialEXO is derived from

UNIT DEFINITION

O-glycans of 1 µg glycoprotein (TNFR) when incubated

CONTENT AND STORAGE

- 1 vial OglyZOR Lyophilized is supplied in
- 1 vial SialEXO Lyophilized is supplied in

QUALITY CONTROL

specifications and lot-to-lot consistency.

OglyZOR and SialEXO are tested for absence of microbial contamination with blood agar plates, Sabouraud

YOU MIGHT ALSO BE INTERESTED IN

OpeRATOR®

O-glycan-specific protein digestion

ImpaRATOR™

GlycOCATCH®

Enrichment of O-glycopeptides

SialEXO®

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 μl ddH₂O each, to a concentration of 40 units/μl.²
- 2. Add SialEXO
- 2.1 Add 1 unit SialEXO / 1 µg glycoprotein.3
- 3. Add OglyZOR
- 3.1 Add 1 unit OglyZOR / 1 µg glycoprotein.3
- 4. Deglycosylation
- 4.1 Incubate for 2-4h at 37°C.

To prevent microbial contamination, sodium azide can be added to the solution to a final concentration of 0.02 - 0.05% (w/v).

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

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USA & Canada

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