

G0N-BSA contents

Catalog #	Description	Size	M. W.	Storage
NG0101	G0N-BSA	50 µg, lyophilized	~ 80,000	-20°C, up to 12 months

G0N-BSA Biotinylated contents

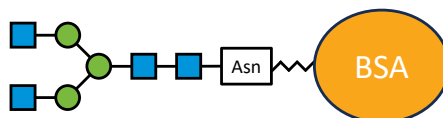
Catalog #	Description	Size	M. W.	Storage
NG0101B	G0N-BSA Biotinylated	50 µg, lyophilized	~ 82,000	-20°C, up to 12 months

These products are for research use only and not for resale or for any use in the manufacture of a therapeutic or for any diagnostic purpose.

Product Description

Neo-*N*-glycoproteins are proteins conjugated with a single type of asparagine (Asn)-linked *N*-glycan via a linker approximately 40 Å in length. Because they feature well-defined, homogenous *N*-glycans, neo-*N*-glycoproteins have advantages over other natural and recombinant glycoprotein standards.

G0N-BSA (Cat #NG0101 and Cat #NG0101B) is a neo-*N*-glycoprotein derived from Bovine Serum Albumin (BSA) and modified with G0N, a biantennary *N*-glycan with each branch terminating in *N*-acetylglucosamine (GlcNAc) and the Asn residue retained at the reducing end.



Example applications include Western/lectin blots, ELISA, flow cytometry, lectin microarrays, etc. The biotinylated version (Cat #NG0101B) enables detection using streptavidin conjugates.

Form and Storage

G0N-BSA neo-*N*-glycoprotein is supplied lyophilized in PBS (137 mM NaCl, 2.7 mM KCl, 2 mM KH₂PO₄, 10.1 mM Na₂HPO₄, pH 7.4) and should be reconstituted in 50 µL molecular grade water to yield a 1 mg/mL solution. Once reconstituted, store at 4°C for up to 1 month or at -20°C for up to 12 months.

Experimental Design Guide

- For ELISA, coat microtiter wells with 1-2 µg/mL of G0N-BSA (Cat #NG0101) in preferred buffer for 1 h at 37°C. Block wells, then incubate with samples followed by detection reagents.
- For Western/lectin blotting, load 1 µg of G0N-BSA (Cat #NG0101) alongside your samples in SDS-PAGE. Transfer to nitrocellulose membrane and probe with detection reagents.
- For GlycoSense™ Array Kit (Cat #GK0101) control, use 2-10 µg/mL of biotinylated G0N-BSA (Cat #NG0101B) in preferred incubation buffer. Detect binding using fluorescent streptavidin conjugate.

Reference

Gao C, et al. Cell Chem Biol. 2019 Apr 18;26(4):535-547. PMID: 30745240