**G2N-BSA contents**

| Catalog # | Description | Size | M. W. | Storage |
|---|---|---|---|---|
| NG0201 | G2N-BSA | 50 µg, lyophilized | ~ 81,000 | -20°C, up to 12 months |

**G2N-BSA Biotinylated contents**

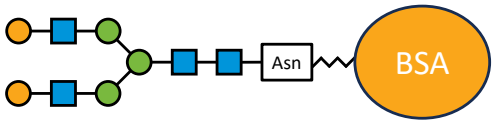
| Catalog # | Description | Size | M. W. | Storage |
|---|---|---|---|---|
| NG0201B | G2N-BSA Biotinylated | 50 µg, lyophilized | ~ 83,000 | -20°C, up to12 months |

*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.

**G2N-BSA** (Cat #NG0201 and Cat #NG0201B) is a neo-*N*-glycoprotein derived from Bovine Serum Albumin (BSA) and modified with G2N, a biantennary *N*-glycan with each branch terminating in galactose (Gal) 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 #NG0201B) enables detection using streptavidin conjugates.

## Form and Storage

**G2N-BSA** neo-*N*-glycoprotein is supplied lyophilized in PBS (137 mM NaCl, 2.7 mM KCl, 2 mM $KH_2PO_4$, 10.1 mM $Na_2HPO_4$, 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 G2N-BSA (Cat #NG0201) 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 G2N-BSA (Cat #NG0201) 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 G2N-BSA (Cat #NG0201B) 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

Corporate Headquarters: Innovation Gateway, 111 Riverbend Rd, Athens, GA 30602, USA
Satellite Operations: San Diego Science Center, 3030 Bunker Hill St, San Diego, CA 92109, USA
Phone: +1 (706) 549-4484 E-mail: sales@lectenz.com Web: https://www.lectenz.com