G2N-BSA, Biotin Labeled

Cat. No. N-glycoprotein-06 **Lot. No.** (See product label)

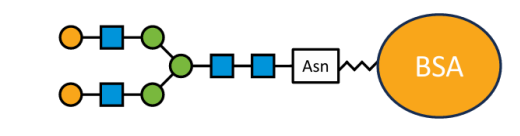
SPECIFICATION

Product Overview	G2N-BSA 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.
Conjugation/Label	Biotin
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.
Form	Lyophilized in PBS (137 mM NaCl, 2.7 mM KCl, 2 mM KH_2PO_4, 10.1 mM Na_2HPO_4, pH 7.4)
Molecular Mass	~83,000
Applications	Western/lectin blots, ELISA, flow cytometry, lectin microarrays, etc. This biotinylated version enables detection using streptavidin conjugates.
Notes	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.
Storage	At -20 centigrade for up to 12 months.
Reconstitution	Reconstituted in 50 µL molecular grade water to yield a 1 mg/mL solution. Once

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	reconstituted, store at 4 centigrade for up to 1 month or at -20 centigrade for up to 12 months.
Usage	1. For ELISA, coat microtiter wells with 1-2 µg/mL of G2N-BSA in preferred buffer for 1 h at 37 centigrade. Block wells, then incubate with samples followed by detection reagents. 2. For Western/lectin blotting, load 1 µg of G2N-BSA alongside your samples in SDS-PAGE. Transfer to nitrocellulose membrane and probe with detection reagents. 3. For GlycoSense Array Kit control, use 2-10 µg/mL of biotinylated G2N-BSA in preferred incubation buffer. Detect binding using fluorescent streptavidin conjugate.

GENE INFORMATION

Official Symbol	G2N-BSA
Synonyms	G2N-BSA; N-glycoprotein
	

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