



A2F Glycan

A2F N-linked oligosaccharide

Catalog Number

SA-A2F

Description

Di-sialylated, core-fucosylated bi-antennary complex-type N-glycan (oligosaccharide).

Sources

A2F glycan is found on many mammalian glycoproteins including thyroglobulin, gamma globulins, and IgG. This product is typically purified from the oligosaccharide pool released from porcine thyroglobulin by hydrazinolysis using a combination of HPLC and glycosidase digestion.

Form

Dry. Dried by centrifugal evaporation from an aqueous solution. Contains ammonium salt to stabilize against desialylation.

Molecular Weight

2370

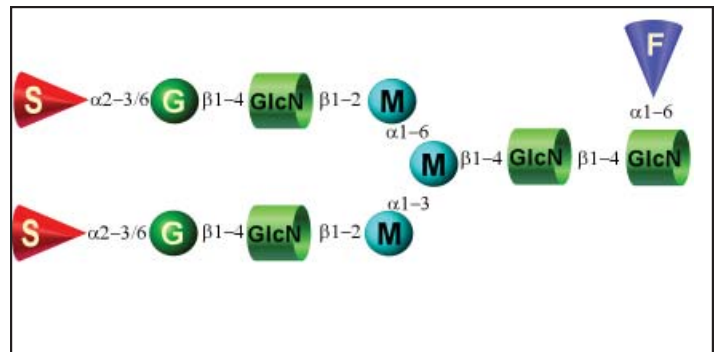
Purity

> 90% pure as assessed by a combination of 1H-NMR and HPLC.

Storage

Keep at -20°C both before and after dissolution. This product is stable for at least 5 years as supplied.

Shipping: The product can be shipped at ambient when dry. After dissolution, ship on dry ice.



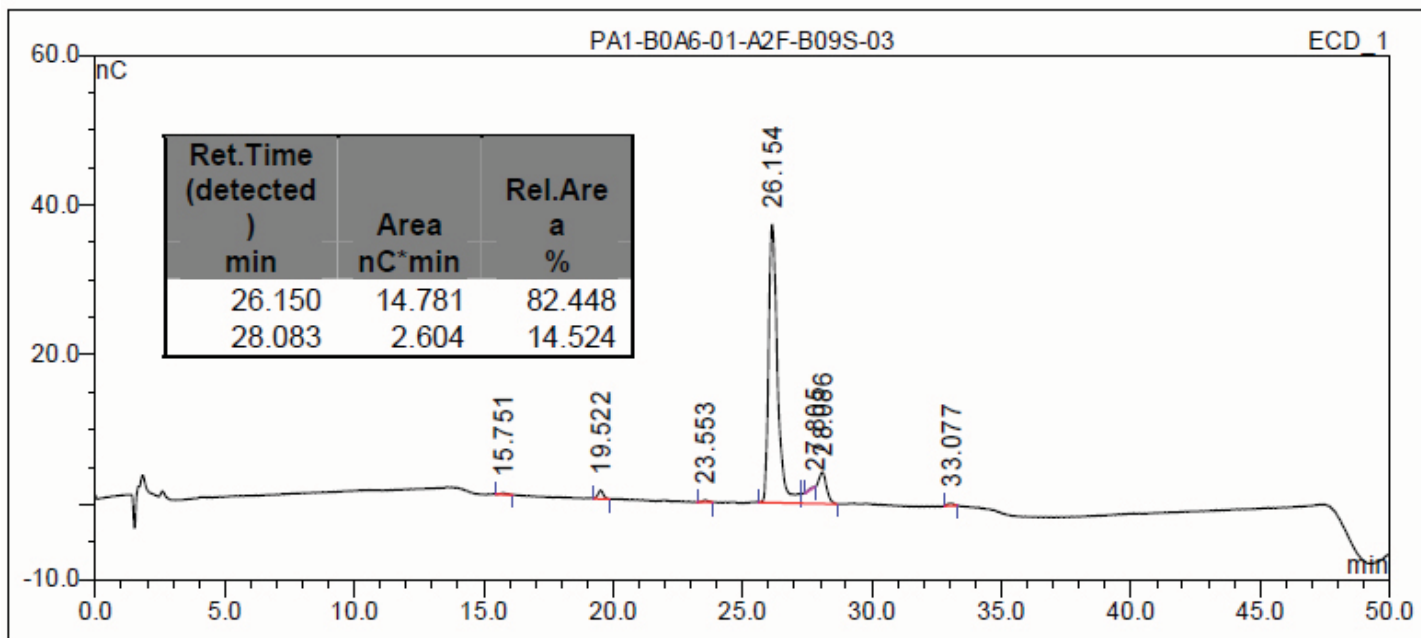
Handling

Allow the unopened vial to reach ambient temperature and tap unopened on a solid surface to ensure that most of the lyophilized material is at the bottom of the vial. Gently remove the cap, add the desired volume of reconstitution medium, re-cap and mix thoroughly to bring all the oligosaccharide into solution. For maximal recovery of oligosaccharide, ensure that the cap lining is also rinsed and centrifuge the reconstituted vial briefly before use. Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates. Minimize exposure to elevated temperatures or extremes of pH.

Safety

This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.

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Specifications

Certificate of Analysis**Product** A2F Glycan**Catalog no.** SA-A2F**Lot no.** B09S-03**Purity** > 90% pure as assessed by a combination of 1H-NMR and HPLC (see Fig 1).**Figure 1 : HPAED-PAD Profile of A2F Glycan (Cat. No.SA-A2F, Lot No. B09S-03)****Warranties and liabilities**

QA-Bio, LLC warrants that the above product conforms to the specifications described herein. Should the product fail for reasons other than through misuse QA-Bio, LLC will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and QA-Bio, LLC makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose.

QA-Bio, LLC shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

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