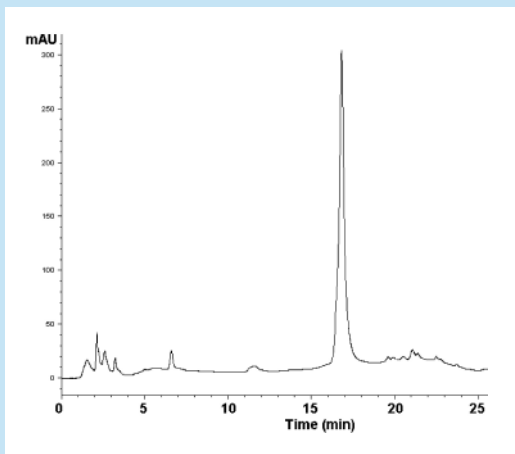




## a1-acid-glycoprotein From Sheep



### Method Conditions

**Column:** Cogent Bidentate C8 300™ 5µm, 300Å.  
**Catalog No.:** 40008-75P-3M  
**Dimensions:** 4.6 x 75 mm  
**Solvents:** A: DI water + 0.1% trifluoroacetic acid (TFA)  
 B: acetonitrile + 0.1% TFA  
**Gradient:**

Time (min)	%B
0.0	15
20.0	50
25.0	50
25.1	15

**Post Tme:** 5 min  
**Flow Rate:** 0.5 mL/min.  
**Sample Peak:** a1-acid-glycoprotein, sheep,  
 104H9320 0.5 mg/mL in DI water  
**Detection:** UV 214 nm  
**Injection:** 1 microL

### Discussion

Glycoproteins have very diverse functions in the living organism. They are used as protective agents, lubricants and they are constituents of the cell wall. This diversity is a direct function of their structure.

A simple, linear Reverse Phase gradient used in this note shows the retention of sheep glycoprotein. The resulting chromatograms are very reproducible and the equilibration time between gradient runs is only 5 minutes.

For more information visit [www.MTC-USA.com](http://www.MTC-USA.com)

#### Notes:

Glycoproteins are macromolecules composed of a polypeptide covalently bonded to a carbohydrate molecule. The sugar can make up anywhere from less than 1 percent to 80 percent of the total mass of a glycoprotein.

Cat. No.	Description
----------	-------------

40008-75P-3M	Cogent Bidentate C8 column for Macro Molecules, 300A, 5µm, 4.6x75mm
--------------	---