

PROTEIN LAB SERVICE

GENOMINE, Inc.

Service item1 Glycoprotein staining service

Service item2 Deglycosylation 2-DE gel analysis

Service item3 Glycoprotein identification by PMF

Service item4 Glycoprotein identification
by in gel deglycosylation

Service item5 2-DE gel analysis
after Glycoprotein enrichment

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Service item1 2-DE gel analysis service with Glycoprotein staining

Step1 : **Proteome** : human plasma
Protein separation : 2-DE mini gel format
1st Dimension IEF : 4-10 NL IPG(12cm)
2nd Dimension slab gel : 8.5 X 8cm slab gel

Cat. No. G8010
Price \$300/sample

Staining method :

staining Pro-Q Emerald 488 glycoprotein gel staining kit(Invitrogen)

Detection method : glycoprotein fluorescent emission (Ex/Em: 510/520nm) used filter : Ex/Em: Cy3/Cy3

Step2 : Multiple staining & spot matching

Step3: Differential display & Comparative analysis

Step1



Proteome : total human plasma

Staining method : Pro-Q Emerald 488 glycoprotein gel staining kit(Invitrogen)

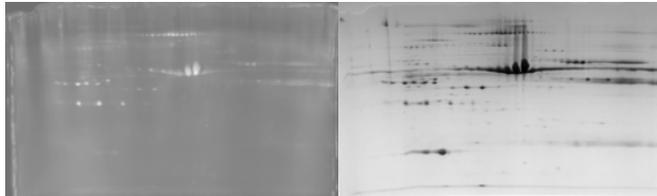
Protein separation : 2-DE mini gel format 1st Dimension IEF : 4-10 NL IPG(8.5cm)

Detection method : glycoprotein staining fluorescent emission (Ex/Em: 510/520nm)

Pro-Q Emerald 488 staining

CBB staining

Step2



Multiple staining & spot matching

total human plasma

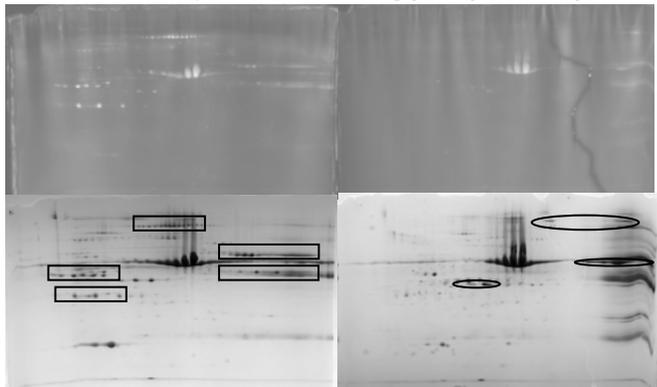
IEF : 400ug protein from human plasma

Detection : Pro-Q Emerald 488 glycoprotein gel staining
& CBB

total human plasma

Deglycosylation by PNGase F

Step3



Differential display & Comparative analysis

total human plasma

IEF : 400ug protein from human plasma

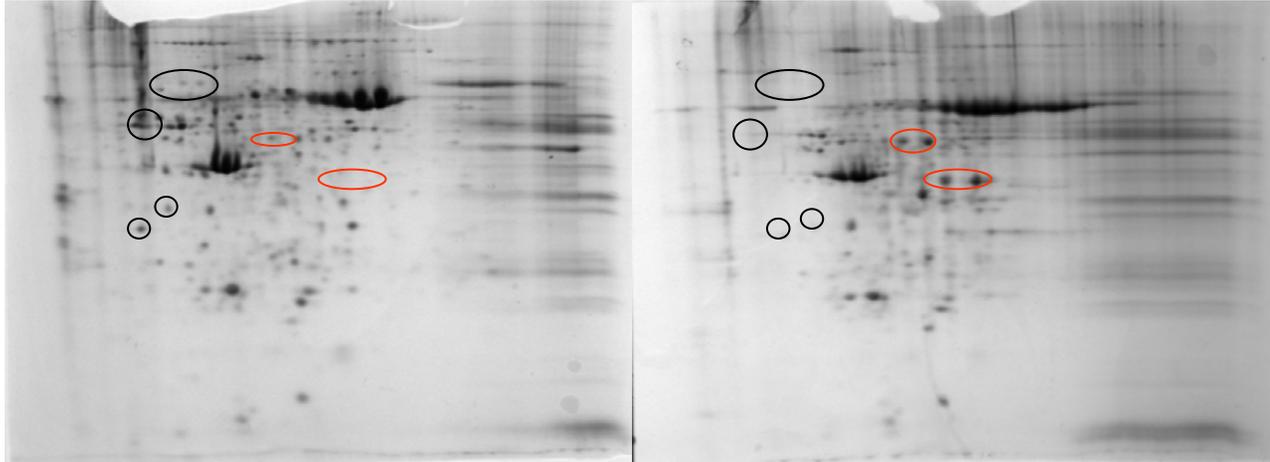
Detection : Pro-Q Emerald 488 glycoprotein gel staining & CBB
Rectangle box: disappear spot after PNGase F treatment
oval box: appear spot after PNGase F treatment

Service item2 2-DE gel analysis after deglycosylation (Only one deglycosylation enzyme choice)

Cat. No. G8020
Price \$280/sample

Kidney cancer tissue total lysate

Deglycosylation by PNGase F



Proteome : Kidney cancer tissue

Protein separation : 2-DE mini gel format

1st Dimension IEF : 4-10 NL IPG(12cm)

2nd Dimension slab gel : 8.5 X 8cm slab gel

Staining method :

CBB staining

Deglycosylation enzyme: PNGase F(sigma)

Step2 : Multiple staining & spot matching

Step3: Differential display & Comparative analysis

Black circle: disappear spot after PNGase F treatment

Red circle: appear spot after PNGase F treatment,

Service item4 Glycoprotein identification by in gel deglycosylation

Cat. No. G8040
Price \$120/sample

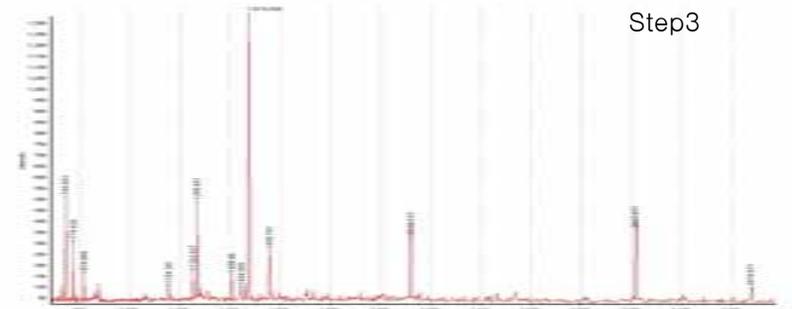
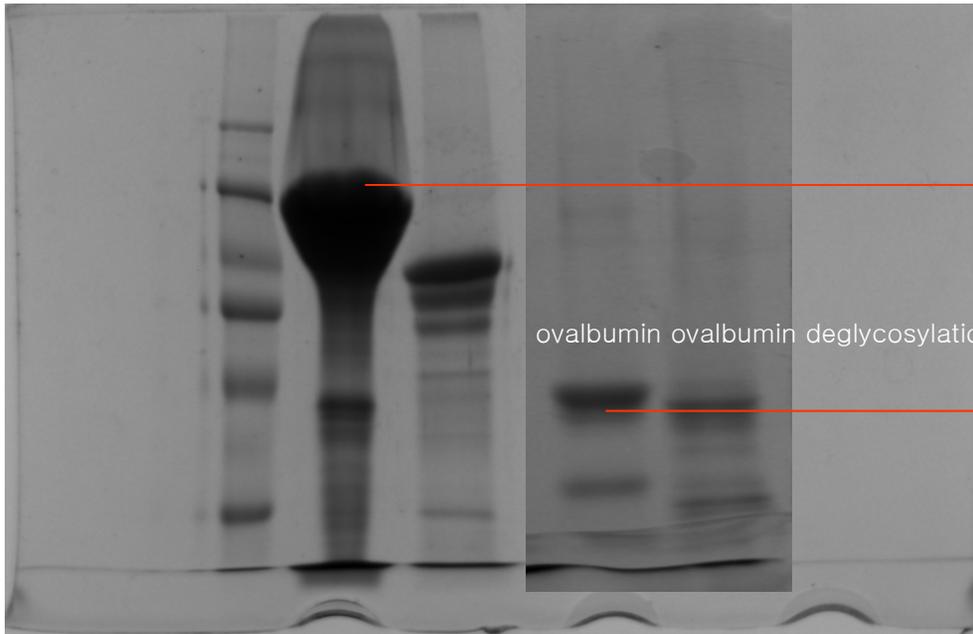
Step1: Fetuin & ovalbumin deglycosylation by PNGase F treatment in solution

Step2 : Glyco & Deglycosylation protein by SDS-PAGE

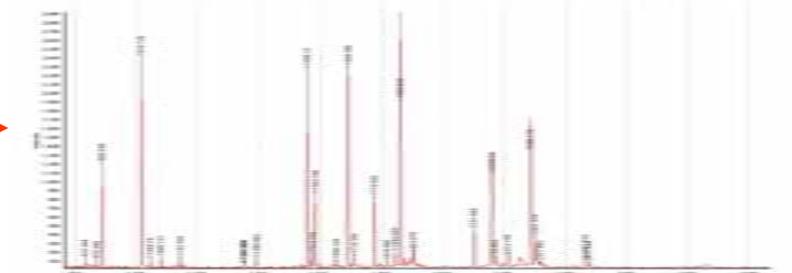
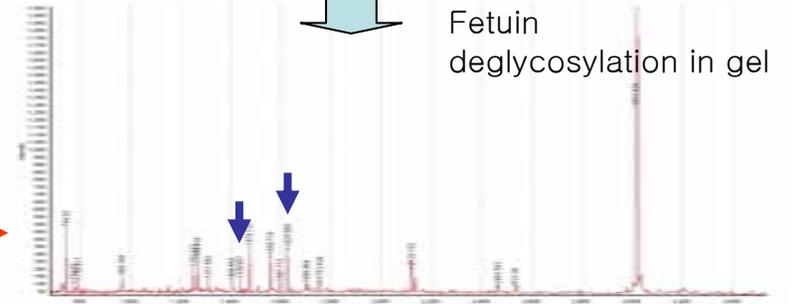
Step3 : Fetuin & ovalbumin deglycosylation by PNGase F treatment in gel by MALDI-TOF analysis

Step1,2

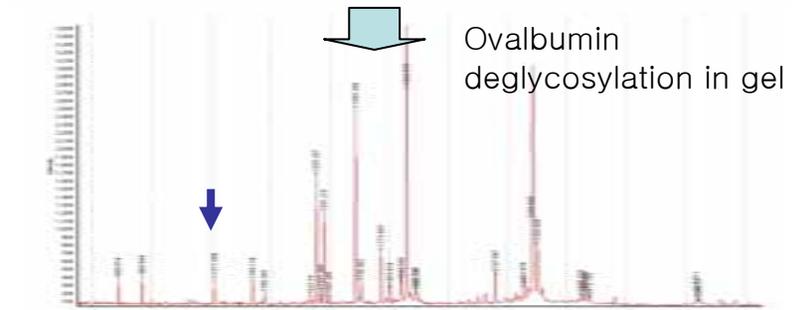
Fetuin Fetuin deglycosylation in solution(PNGase F)



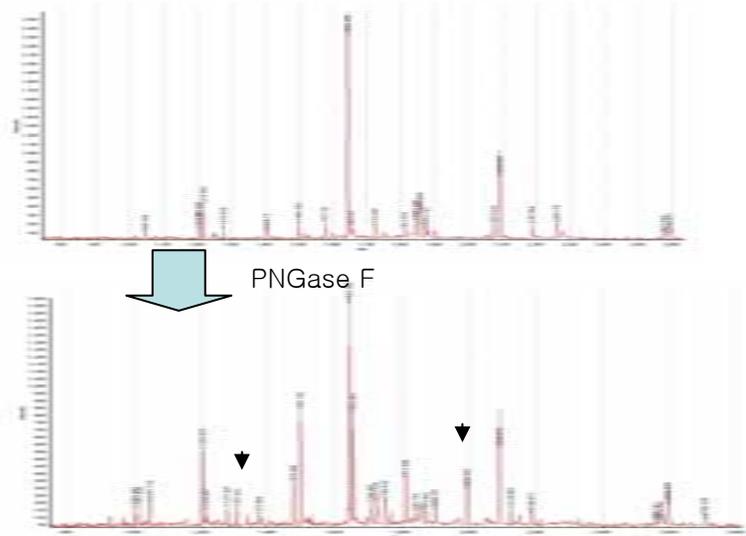
Fetuin
deglycosylation in gel



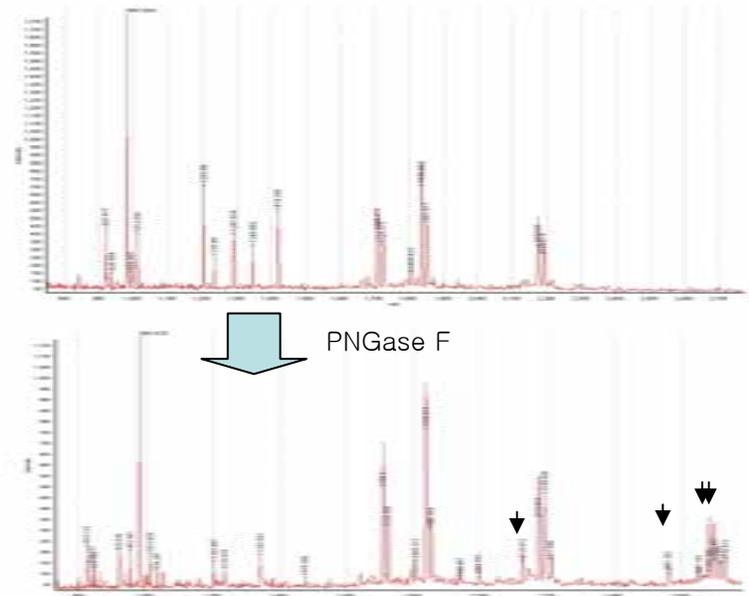
Ovalbumin
deglycosylation in gel



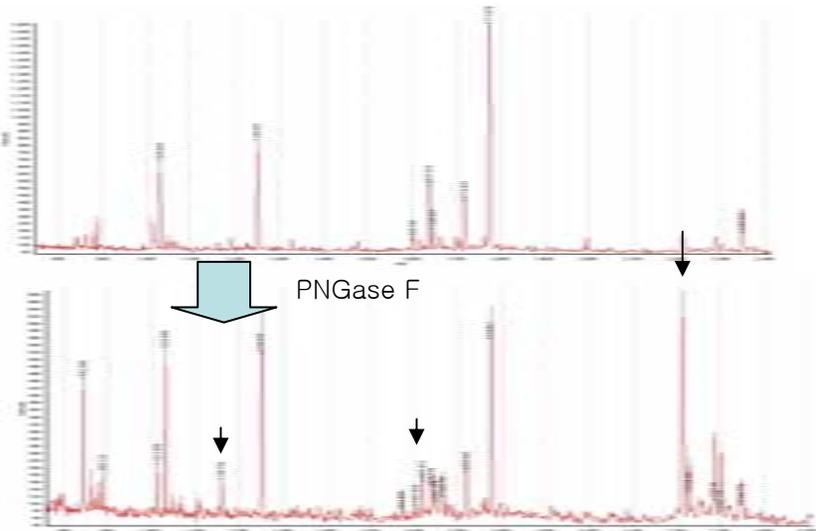
408 [gi|151302818|emb|CAJ15161.1|](https://pubmed.ncbi.nlm.nih.gov/151302818/) alpha-1-antitrypsin



206 [gi|3337390|gb|AAC27432.1|](https://pubmed.ncbi.nlm.nih.gov/3337390/) haptoglobin



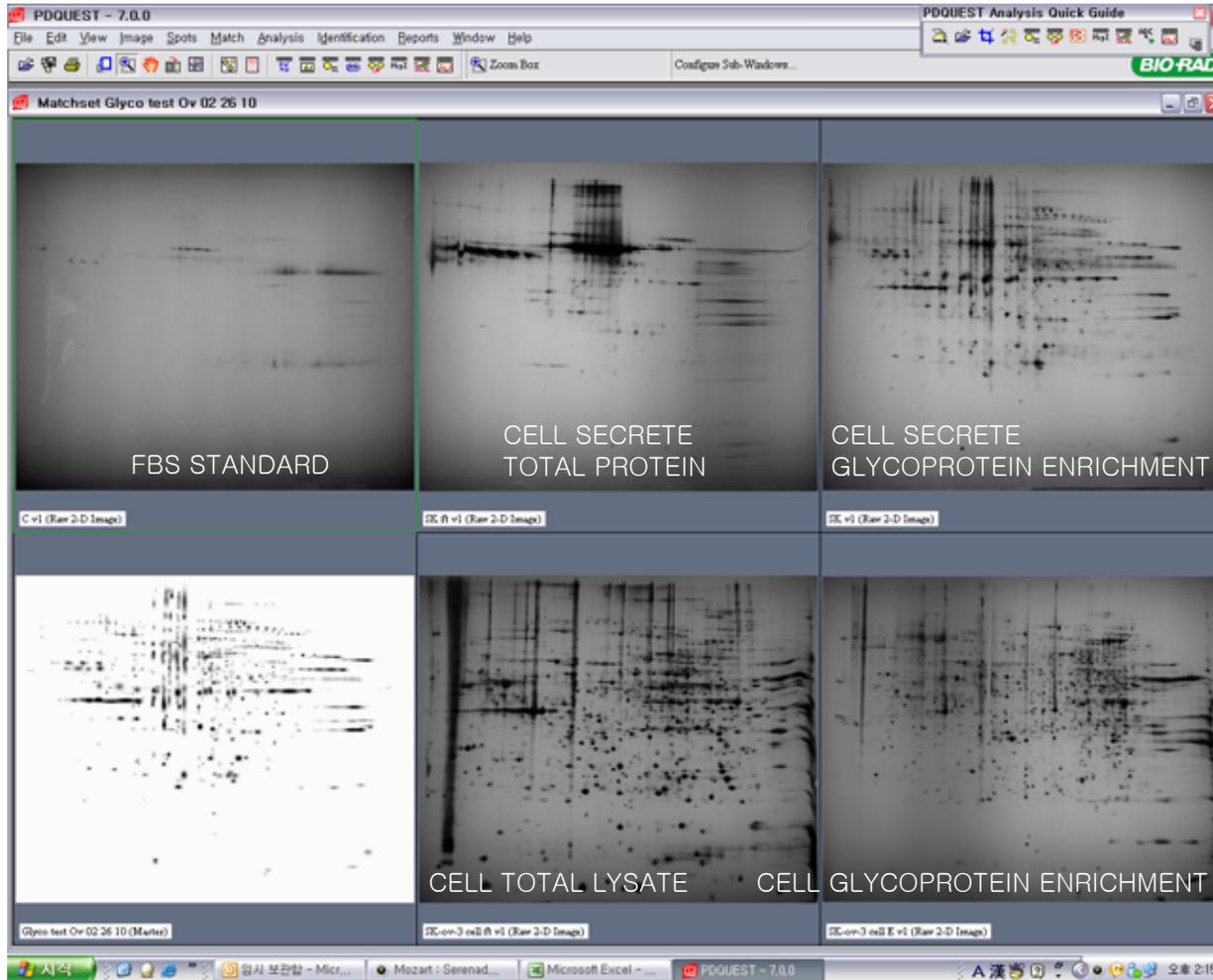
4811 [gi|168988718|pdb|2VDB|A](https://pubmed.ncbi.nlm.nih.gov/168988718/) Chain A, Structure Of Human Serum Albumin With S-Naproxen And The Ga Module



MALDI-TOF MS analysis of in gel deglycosylation by PNGase F

Service item5 2-DE gel analysis after Glycoprotein enrichment

Cat. No. G8050
Price \$360/sample



Step : Proteome : sk-ov-3 cell

Protein separation : 2-DE 24cm large gel format

1st Dimension IEF : 4-10 NL IPG(24cm)

2nd Dimension slab gel : 24 X 20cm slab gel

Glycoprotein enrichment : Glycoprotein Enrichment Resin (clontech)

Glycoprotein staining: Gel Staining method : silver & CBB

ProQ Emerald 488 Glycoprotein stain kit (Molecular Probes)