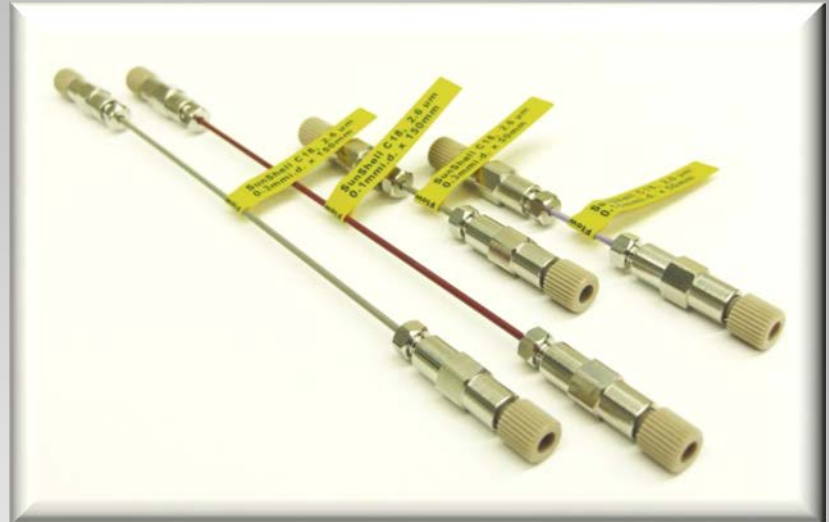
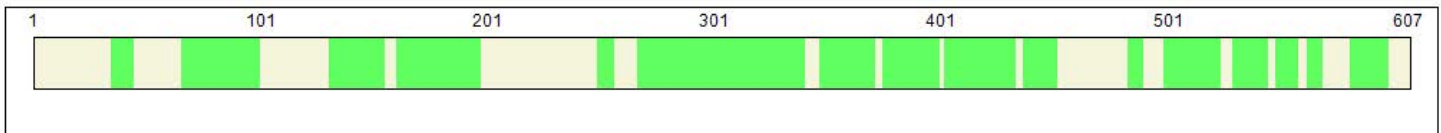


MICRO/NANO-COLUMN

Suitable for
LC/MS/MS



Micro-column: 0.3 mm i.d., 0.5 mm i.d. Nano-column: 0.075 mm i.d., 0.1 mm i.d., 0.15 mm i.d.
IDA measurement using SunShell C18, 2.6 µm 150 x 0.075 mm i.d. and Nano LC-MS



| Sequence | Modification List | 1 | 11 | 21 | 31 | 41 | 51 | 61 | 71 | 81 | 91 |
|----------------------|-------------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|
| Modifications P02769 | 1 | MKQVTFISLL | LLFSSAYSRG | VFRDRTHKSE | IAHRFKDLGE | EHFKGLVLIA | FSQYLQQCPF | DEHVKLVNEL | TEFARTCVAD | ESHAGCEKSL | HTLFGDELCK |
| Modifications P02769 | 101 | VASLRETYGD | MADCEKQEP | ERNECFLSHK | DDSPDLPLK | LPDPNTLCDEF | KADKKFWGK | YLYEIARRHP | YFYAPELLLY | ANKYNGVFOE | CCQAEDKAC |
| Modifications P02769 | 201 | LLPKIETMRE | KVLASSARQR | LRCASIQKFG | ERALKAWSVA | RLSQKFPKAE | FVEVTKLVTD | LTKVHKECCH | GDLLCADDR | ADLAKYICDN | QDTISSKLKE |
| Modifications P02769 | 301 | CC | C | | | C | | | | CC | C |
| Modifications P02769 | 401 | KHLVDEPQNL | IKQNCDOFEK | LGEYGFQNAL | IVRYTRKVPQ | VSTPTLVEVS | RSLGKVGTRC | CTKPESERMP | CTEDYLSLIL | NRLCVLHEKI | PVSEKVIKCC |
| Modifications P02769 | 501 | | C | | | C | | | | CC | C |
| Modifications P02769 | 601 | STQIALA | | | | | | | | | |

Serum albumin OS=Bos taurus GN=ALB PE=1 SV=4
 Annotate PTMs reported in Uniprot
 Show only PTMs
 Include PSMs that are Filtered Out
Coverage: 60.63%
Found Modifications:
 C Carbamidomethyl (C)

Sample: Tryptic digest of BSA, 30 µg on column
 Detection: QTRAP5500
 Detection mode: IDA measurement
 HPLC : Ultimate 3000 RSLC nano
 Trap column : Acclaim PepMap 100, 3 µm, 20 x 0.075 mm i.d.
 Analytical column: SunShell C18, 2.6 µm, 150 x 0.075 mm i.d.

Mobile phase:
 To trap column, 0.1% TFA (Sample load)
 To anal. Column, A) 0.1% Formic acid,
 B) 0.1% Formic acid/Acetonitrile=20/80
 Gradient in 25 min

Courtesy of a pharmaceutical company in Japan++

*After verification with the database, the sequence identification rate of BSA was over 60%, which was a higher identification rate than conventional nano-columns.

