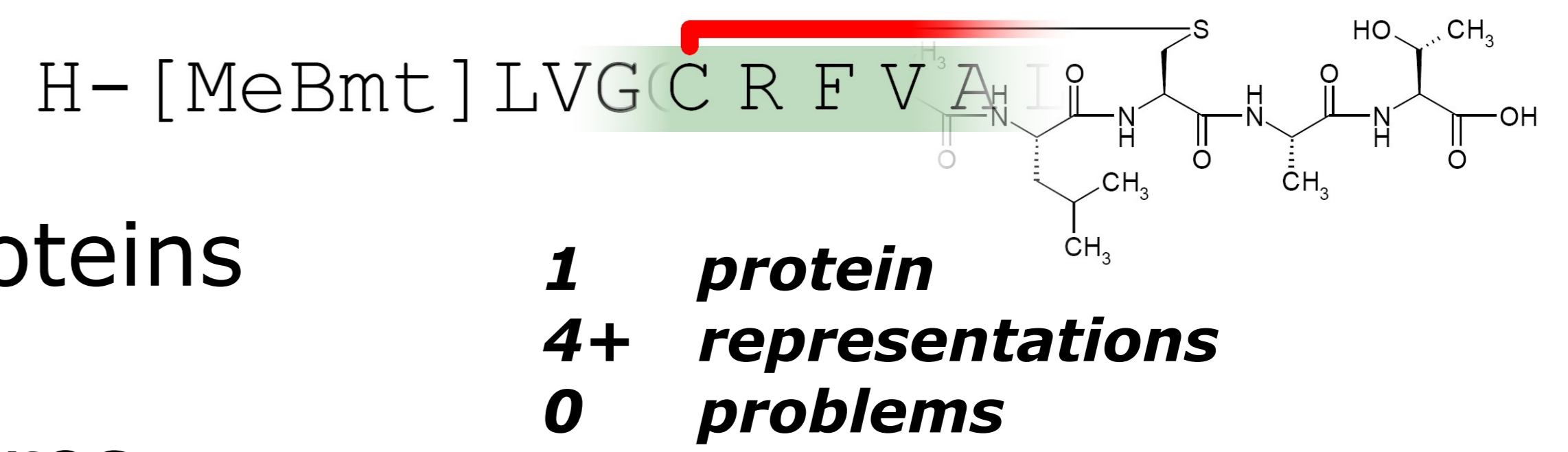


# biochemfusion

- Enabling biochemformatics

## Proteax<sup>®</sup> – Protein variants made easy

Biochemfusion's **Proteax** makes it easy to handle modified proteins and protein derivatives. Use Proteax with Microsoft<sup>®</sup> Excel<sup>®</sup> or Oracle<sup>®</sup> databases to register and analyse your protein structures.



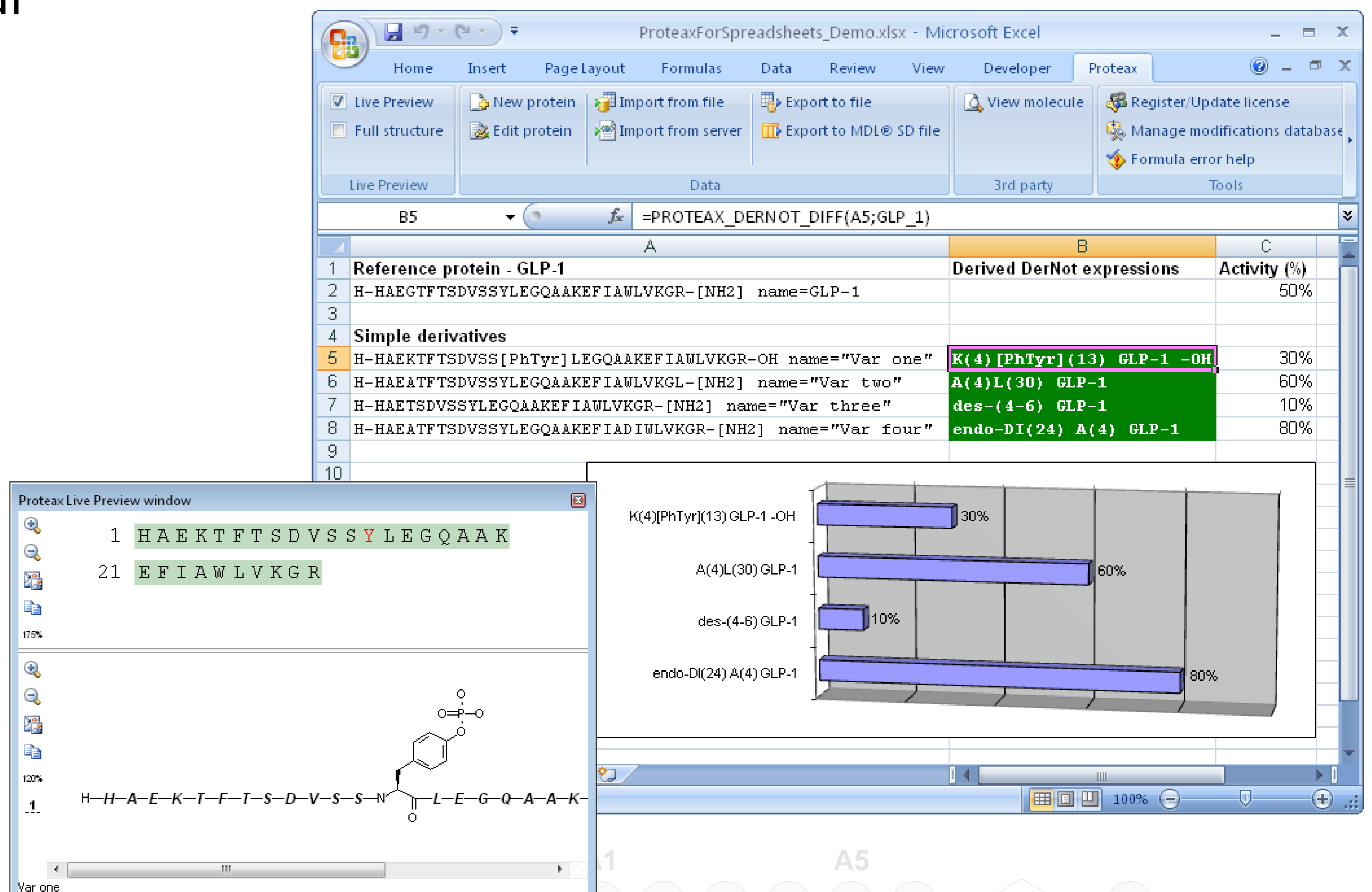
## Add-ins for Microsoft Excel and OpenOffice.org<sup>®</sup>

**Proteax for Spreadsheets** lets you work with modified protein sequences inside a familiar spreadsheet environment.

- Protein comparison
- Derivatives generation
- Protein SAR tables
- Chemical structure preview
- Export / import, standard formats
- SD file export


### Supported spreadsheets

- MS Excel 2003, 2007, and 2010
  - Incl. support for Excel 2010 64-bit
- OpenOffice.org 3.1 or later
  - 32-bit Windows<sup>®</sup> fully supported
  - Linux<sup>®</sup> partly supported



## Protein chemistry for Oracle

**Proteax Cartridge** extends the functionality of your existing Oracle database.

	Oracle 10gR2	Oracle 11gR1	Oracle XE (10g)
Windows	32-bit ✓ 64-bit ✓	32-bit ✓ 64-bit ✓	32-bit ✓
Linux 	32-bit ✓ 64-bit ✓	32-bit ✓ 64-bit ✓	32-bit ✓

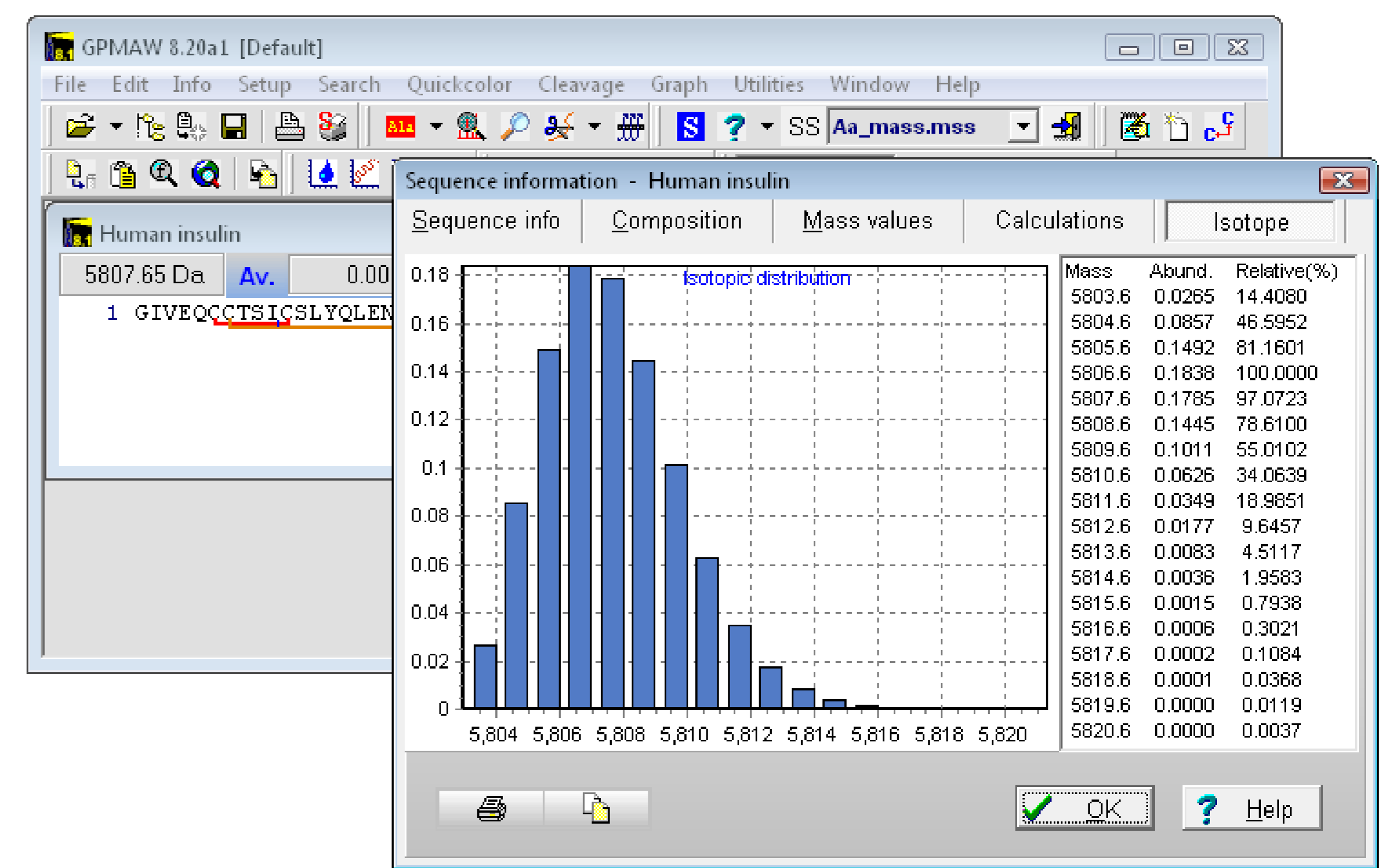
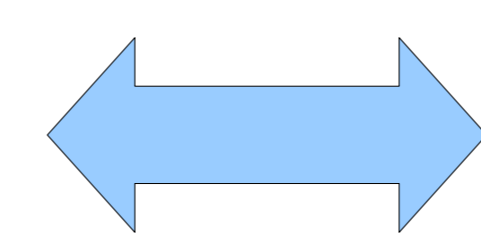
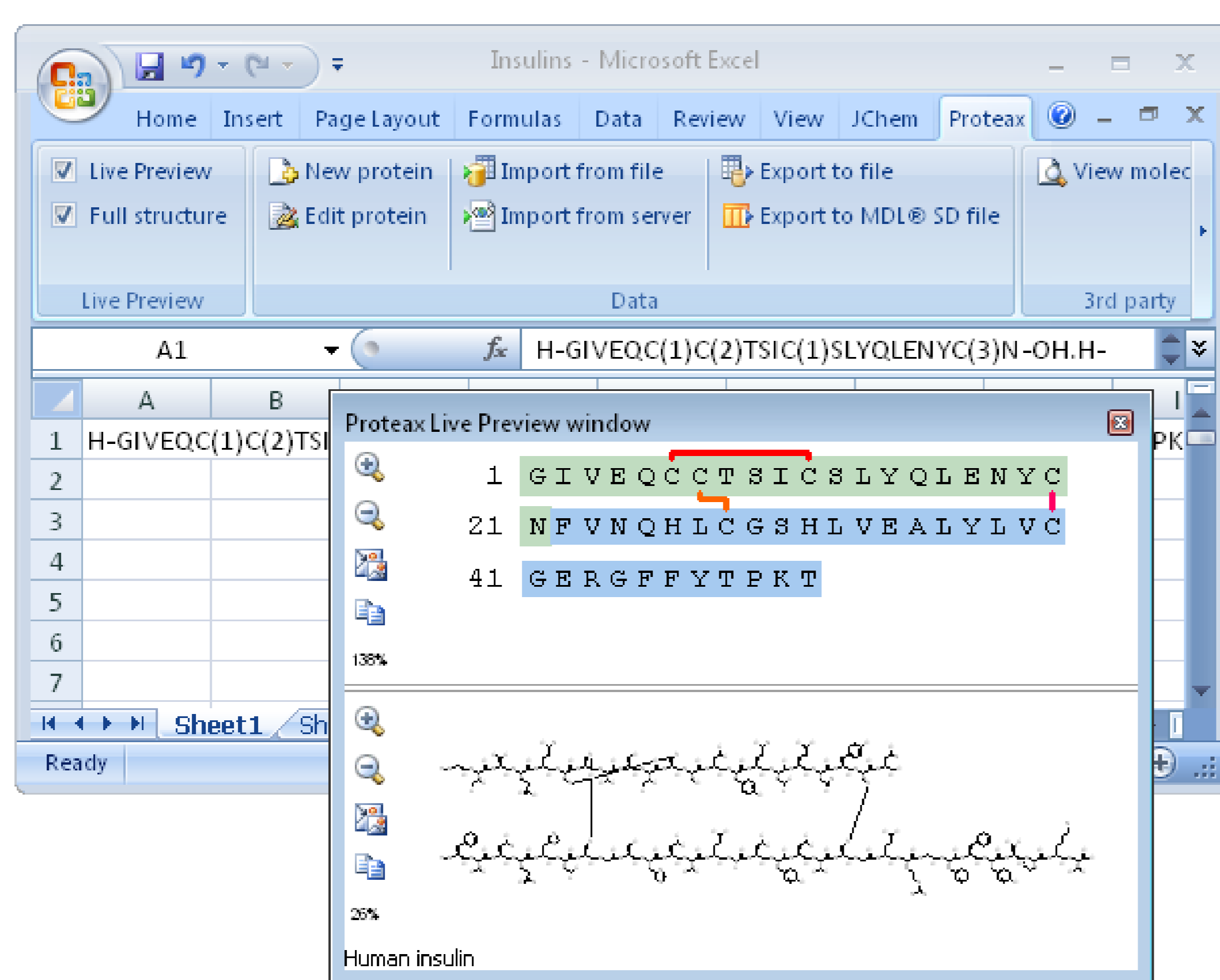
Proteax Cartridge is supported on the above configurations

- Native SQL extensions
- Protein comparison and editing
- Sequence and structural identity checks
- Protein format transforms
- Sequence to structure capability

The sequence-to-structure capability lets you index protein sequences with 3<sup>rd</sup> party chemistry cartridges. Proteax's support for **condensed structure representation** minimizes inherent scalability problems.

## MS analysis via GPMW

Proteax fully supports proteins in GPMW format. This makes it easy to send protein sequences and fragments to the lab for MS analysis.

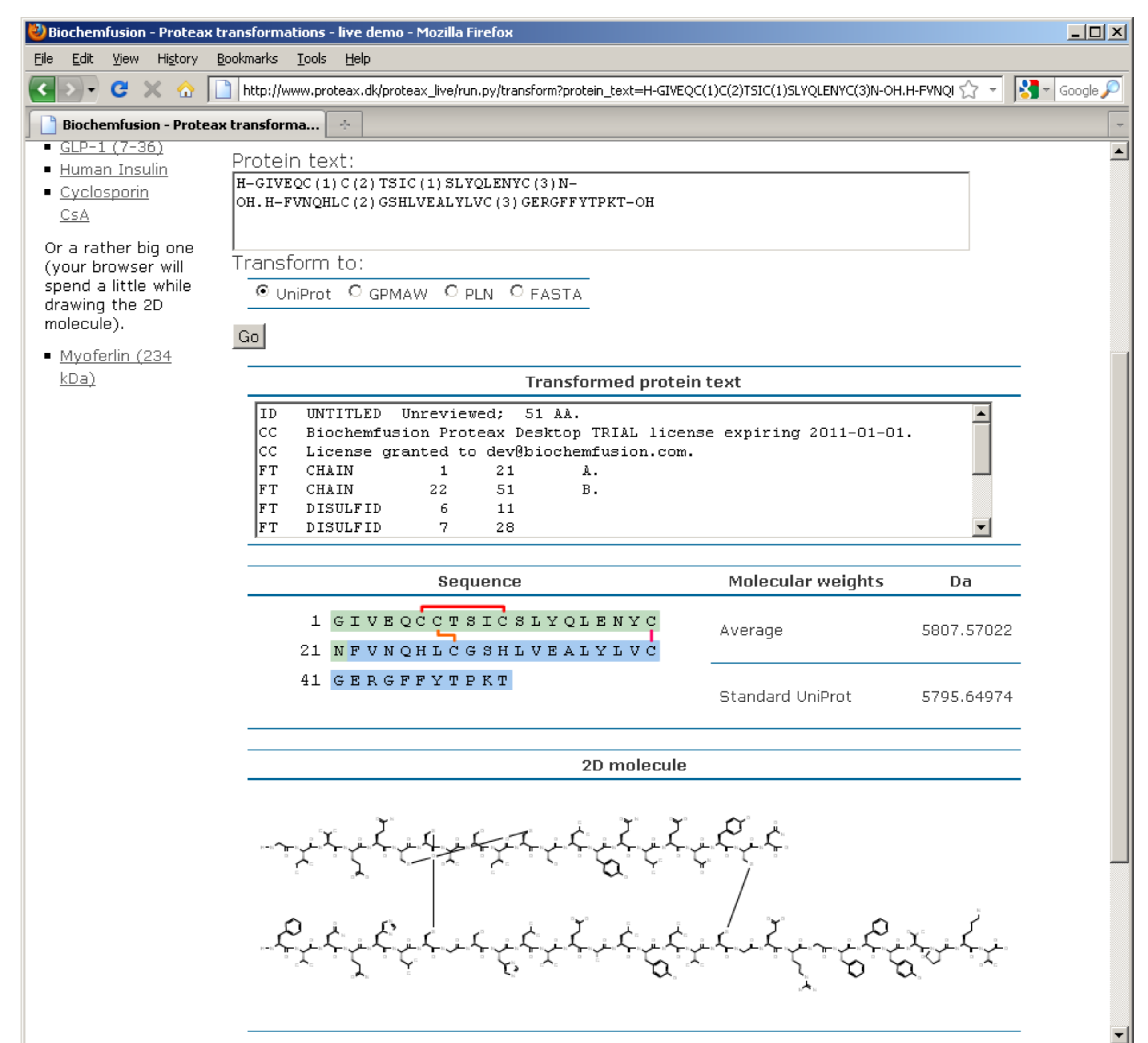


GPMW files can be read directly by Proteax to ensure seamless reporting of analysis results.

## Web-ready by design

Proteax has been designed with extensibility in mind. The architecture makes it easy to create graphical front-ends on any type of device.

Visualizers based on Flash<sup>®</sup>, Microsoft<sup>®</sup> .NET, JavaScript<sup>™</sup>, and native code are currently in use.



## Risk-free – industry standard protein formats

Proteax works with industry standard protein file formats

- UniProt - the UniProt Consortium
- GPMW - by Lighthouse Data
- FASTA

H-GC (1) C (2) SDPRC (1) AWRC (2) - [NH2] name="Alpha-conotoxin ImI"  
PLN example - UniProt entry P50983 transformed from 168 lines of text to PLN.

In addition Biochemfusion's **PLN** text format lets you easily **exchange** protein entries via **e-mail** and **spreadsheets**.

Protein entries may be **converted** freely between PLN, UniProt and GPMW format **without loss** of structural information.

Get your free Proteax trial at [www.biochemfusion.com/downloads/](http://www.biochemfusion.com/downloads/)

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