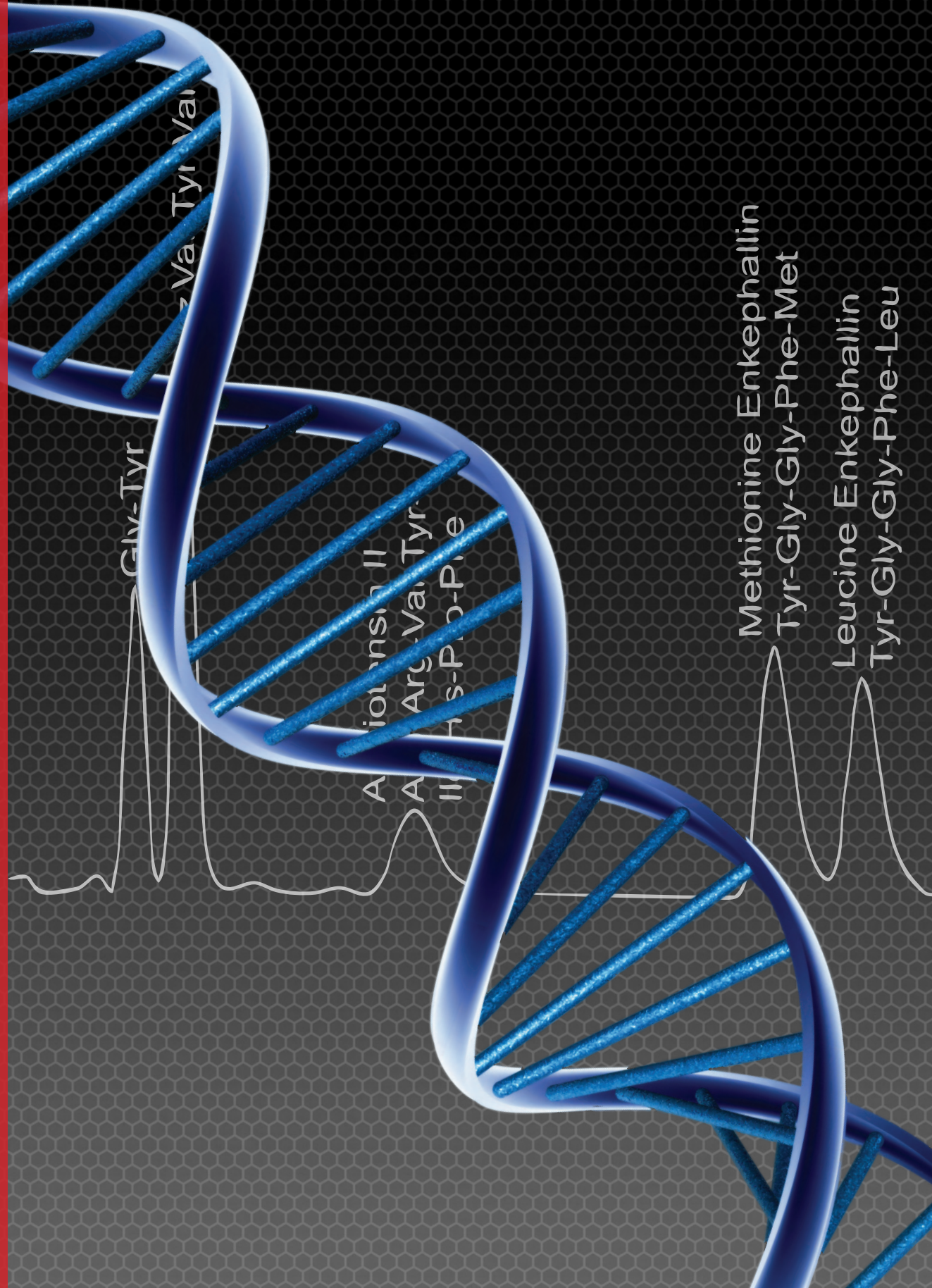


PEPTIDE PROTEIN

Material Solutions. Uncompromising Integrity.

Peptide Protein Columns



Gly-Tyr
Val-Tyr-Val

Gly-Tyr

Angiotensin II
Arg-Val-Tyr
His-Pro-Phe

Methionine Enkephalin
Tyr-Gly-Gly-Phe-Met

Leucine Enkephalin
Tyr-Gly-Gly-Phe-Leu

Jordi Peptide Protein columns were designed for the reverse phase analysis of peptides and proteins. The support material consists of a hydrophilically modified polyamide resin and thus utilizes the same chemistry contained in protein repeat units. Hydrophobic groups have been introduced to aid in protein retention.

Jordi Peptide Protein resin maintains all the benefits of other Jordi products including:

- *Complete pH Stability (0-14)*
- *Reproduced Surface Chemistry Batch to Batch*
- *Temperature Stability (up to 100°C)*
- *Pressure Stability (2500 psi)*
- *Long Column Lifetimes*
- *Wide Solvent Range (aqueous-organic)*
- *Sterilizable Cleanable Surface Using Alkaline Solutions*
- *Large Batch Sizes Allowing Thousands of Columns From a Single Batch or Preparative Scale-Up*

Nearly any Buffer System or solvent can be used including:

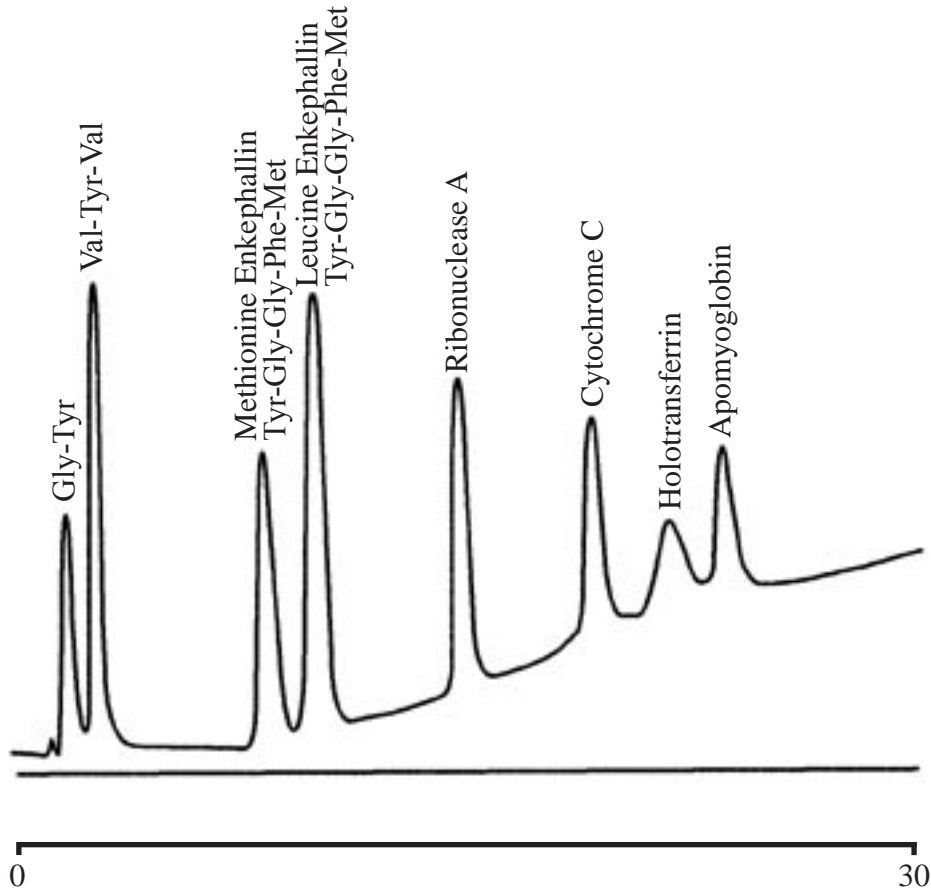
- *TRIS*
- *Phosphate*
- *Acetic Acid*
- *Trifluoroacetic Acid*
- *Water*
- *Acetonitrile*
- *Methanol*
- *Tetrahydrofuran*

The use of trifluoroacetic acid can often be replaced with 1-4% acetic acid.

Jordi Peptide Protein Columns - Separate proteins and peptides using stable polyamide chemistry

Peptide and Protein Mixture

- Packing:** Jordi Peptide Protein Gel
- Column:** 4.6 x 100mm
- Gradient:** 80/20→40/60 A/B 30 minutes linear
- Solvent:** a: .15% TFA in H₂O
b: .15% TFA in ACN
- Flow Rate:** 1.0 mL/min
- Temp:** Ambient
- Injection:** 40μL Protein Stds. Mix Sigma PN H-2899
40μL Peptide Stds. Mix Sigma PN H-2016
- Conc:** Protein Stds. Diluted to 4mL in 75/25 A/B



Membrane Proteins

