Peptide Protein Research Ltd

PeptideSynthetics is the custom peptide synthesis service from Peptide Protein Research Limited. We specialise in the custom synthesis and supply of peptides and peptide-based molecules, in **milligram to gram** quantities.

We are able to provide a comprehensive range of **N-terminal, C-terminal and side chain modifications**. Fmoc and Boc methodologies are both employed, using solid and solution phase reactions. Fmoc chemistry is most suitable for simple peptides and sequences prone to oxidation, but the use of Boc chemistry allows us to synthesis difficult sequences, and gives a greater flexibility in the **synthesis of modified peptides**.

What length peptides do we synthesise?
Peptides up to 40 amino acids are routinely synthesised. Longer peptides can be synthesised, depending on the suitability of the sequence.

What data is supplied?
All peptides are supplied with RP-HPLC and electrospray mass spec data.

What will it cost?
All peptide prices are quoted on an individual basis, and will depend on peptide sequence, purity, amount and any modifications required.

How long will it take?
Delivery time is normally quoted at 21 days from our acknowledgement of receipt of an order, however this may vary depending on the length and complexity of the peptide required.

Peptides for antibody production

As an additional service, we can conjugate your chosen peptide to a carrier protein such as **Keyhole Limpet Hemocyanin** (KLH) or **Bovine Serum Albumin** (BSA).

Your peptide can be conjugated via a glutaraldehyde bond, which **does not require a cysteine residue** in the peptide sequence.

We specialise in

- Biotinylated peptides
- Cyclisation
- Difficult sequences
- D-amino acids
- Fluorescent labelled peptides
- Hydrophobic sequences
- MAP peptides
- Phosphorylated sequences
- Peptide aldehydes
- Thiols
- Urea bond peptides

Typical antibody peptides

- 20mg of peptide-protein conjugate
- 5mg of unconjugated peptide
- Supplied with mass spectral and RP-HPLC data

For more information contact **info@peptidesynthetics.co.uk**