

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

AR31117PU-L Human C-peptide (57-87)

Alternate names: Connecting Peptide, Proinsulin

Quantity: 1.0 mg

Background: Insulin decreases blood glucose concentration. It increases cell permeability to

monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle and glycogen synthesis in liver. Defects in insulin are the cause of

familial hyperproinsulinemia.

C-peptide is produced when proinsulin is cleaved by proteases resulting in insulin

and C-peptide both of which are biologically active.

Species: Human

Format: State: Purified Peptide

Purity: >95% by HPLC

Description: Human C-Peptide (57-87)

Composition: $C_{129}H_{211}N_{35}O_{48}$

AA Sequence:

EAEDLQVGQVELGGGPGAGSLQPLALEGSLQ-OH

Molecular weight: 3020.3 Da

Storage: Upon receipt, store undiluted (in aliquots) at -20°C.

Avoid repeated freezing and thawing. Shelf life: One year from despatch.