

Product datasheet for **AR31117PU-N**

C-Peptide (57-87) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	C-Peptide (57-87) human protein, 0.5 mg
Species:	Human
Expression cDNA Clone or AA Sequence:	EAEDLQVGQVELGGGPGAGSLQPLALEGSLQ-OH
Predicted MW:	3020.3 Da
Purity:	>95% by HPLC
Buffer:	State: Purified, lyophilized Peptide
Reconstitution Method:	Reconstitute with PBS or H2O to desired concentration. Due to the nature of this peptide, it is recommended to first mix with 10 µl of DMSO.
Preparation:	Purified Peptide
Protein Description:	Human C-Peptide (57-87) Composition: C ₁₂₉ H ₂₁₁ N ₃₅ O ₄₈
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Synonyms:	Proinsulin, Connecting Peptide
Summary:	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.



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