Datasheet for ABIN934540

C-Peptide Protein (full length)

Go to Product page

Overview

Quantity:	100 µg
Target:	C-Peptide
Protein Characteristics:	full length
Origin:	Human
Source:	Human
Protein Type:	Synthetic

Product Details

Sequence:	Arg-Arg-Glu-Ala-Glu-Asp-Leu-Gln-Val-Gly-Gln-Val-Glu-Leu-Gly-Gly-Gly-Pro-Gly-Ala-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg
Characteristics:	Purified recombinant Human C Peptide protein Protein Source: Human (full length synthetic C-peptide) Tyr-C-Peptide
Purification:	purified
Purity:	> 98 % pure

Target Details

Target:	C-Peptide
Alternative Name:	C Peptide (C-Peptide Products)
Background:	Proinsulin C-peptide was first described in 1967 in connection with the discovery of the insulin biosynthesis. It serves as an important linker between the A- and the B- chains of insulin and facilitates the efficient assembly, folding, and processing of insulin in the endoplasmic

Target Details

	reticulum. Equimolar amounts of C-peptide and insulin are then stored in secretory granules of the pancreatic beta cells and both are eventually released to the portal circulation. Initially, the sole interest in C-peptide was as a marker of insulin secretion and has as such been of great value in furthering the understanding of the pathophysiology of type 1 and type 2 diabetes. The first documented use of the C-peptide test was in 1972. During the past decade, however, C-peptide has been found to be a bioactive peptide in its own right, with effects on microvascular blood flow and tissue health. Description: Human (full length synthetic C-peptide) Tyr-C-Peptide. Alternative Names: Proinsulin connecting peptide, C-Peptide protein
Molecular Weight:	3616.99 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder purified by HPLC, tyrosine residue.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20 °C.