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Datasheet for ABIN1880359 C-Peptide Protein

Overview

Quantity:	100 µg
Target:	C-Peptide
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purity:	> 95 % by HPLC & SDS-PAGE
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Target Details

Target:	C-Peptide
Abstract:	C-Peptide Products

Background:	Connecting peptide, or C-peptide, is a short 31-amino-acid protein that connects insulin's A-chain to its B-chain in the proinsulin molecule. C-peptide has been shown to bind to the surface of a number of cell types such as neuronal, endothelial, fibroblast and renal tubular, at nanomolar concentrations to a receptor that is likely G-protein-coupled. It has been found to exert beneficial effects in many tissues affected by diabetic microvascular complications, including the kidneys. C-peptide at physiological concentrations effectively reduces diabetes-induced glomerular hyperfiltration via constriction of the afferent arteriole, dilation of the efferent arteriole, and inhibition of tubular reabsorption in experimental models of type 1 diabetes.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 10mM PBS (pH 7.5)

Preservative: Without preservative

Storage: 4 °C