

Rev01  
Update: Dec,28,2022

**DATASHEET**

# C-Peptide (3-33), human

Cat. No.: RP11116CN

## Overview

<b>Description</b>	C-Peptide is a byproduct of insulin production, usually by the pancreas. The level of C-peptide can be used as a gauge of how much insulin is being produced in the body. The amount of C-peptide in the blood can indicate the presence or absence of disease. Abnormally low amounts of C-peptide in the blood suggest that insulin production is too low or absent because of type I diabetes, also known as juvenile or insulin-dependent diabetes. Abnormally high amounts of C-peptide warn of the possible presence of insulinoma tumors, which secrete insulin.
<b>Cas No</b>	33017-11-7
<b>Sequence</b>	{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}
<b>Sequence Shortening</b>	EAEDLQVGQVELGGPGAGSLQPLALEGSLQ
<b>Molecular Formula</b>	C <sub>129</sub> H <sub>211</sub> N <sub>35</sub> O <sub>48</sub>
<b>Molecular Weight</b>	3020.26

## Properties

<b>Purity</b>	>95%
<b>Solubility</b>	The peptide could be dissolved in DMSO.
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Keep container tightly closed.