

Rev01
Update: Dec,28,2022

DATASHEET

C-Peptide (3-33), human

Cat. No.: RP11116

Overview

Description	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.
Cas No	33017-11-7
Sequence	{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}
Sequence Shortening	EAEDLQVGQVELGGPGAGSLQPLALEGSLQ
Molecular Formula	C ₁₂₉ H ₂₁₁ N ₃₅ O ₄₈
Molecular Weight	3020.26

Properties

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