

SIL-PCT protein standard – Arg/Lys ¹³ C ¹⁵ N labelling	
Human Procalcitonin (Uniprot accession number P01258 (26-141))	
Product Description	<p>Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, it consists of 116 amino acids.</p> <p>Recombinant human PCT 1-116 was expressed in <i>E. coli</i> without purification tag and purified using proprietary method including ion exchange, reverse phase and size exclusion chromatography.</p>
Protein sequence	<p>APFRSALESSPADPATLSEDEARLLLAALVQDYVQMKASELEQEQEREGSSL DSPRSKRCGNLSTCMLGTYTQDFNKFHTFPQTAIGVGAPGKKRDMSSDLERD HRPHVSM PQNAN</p>
Predicted Molecular Mass	12.76 kDa
Expression system	<i>E. coli</i>
Purity	Greater than 95% as determined by SDS-PAGE analysis
Labelling	ARG-13C6,15N4 and LYS-13C6,15N4 >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein
Tag information	No Tag
Protein Content	Quantitation is carried out by BCA protein assay
Formulation	<p>Lyophilized from 20 mM Tris pH7.6, 0.1M NaCl buffer. Centrifuge the vial prior to opening. Reconstitute by adding ultrapure H₂O.</p>
Shipping and storage	<p>The product is supplied as a lyophilized powder and shipped at room temperature. Store at -20°C upon receipt. After reconstitution, protein can be kept at 4°C for a few weeks.</p>
Usage	The product is for research use only. Not for diagnostic or therapeutic use.

