

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 DSPRSKRKCGNLSTCMLGTYTQDFNKFHTFPQTAIGVGAPGKKRDMSSDLERD 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.
Legal	<p>This product is licensed under U.S. Patent No. 7,396,688 and foreign counterparts from E. I. du Pont de Nemours and Company. The purchase of this product conveys to the buyer the nontransferable right to use the purchased amount of the product for research and development only. Information about licenses for other uses is available from: E. I. du Pont de Nemours and Company; Attn: Associate Director, Commercial Development; DuPont Experimental Station E268; 200 Powdermill Rd.; Wilmington, DE 19803; 1-877-881-9787 (voice), 1-302-695-1437 (fax), licensing@dupont.com.</p>

