

SIL-CYTC protein standard – Uniform <sup>15</sup> N labelling	
Human Cystatin C (Uniprot accession number P01034)	
Product Description	<p>Cystatin C is a cysteine protease protein. Its dosage is an index of renal function and can be used to evaluate the glomerular filtration rate.</p> <p>Recombinant human Cystatin C was expressed in <i>E. coli</i> and purified using proprietary method including ion exchange chromatography and size exclusion chromatography.</p>
Protein sequence	MSSPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRALQVVRARKQ IVAGVNYFLDVELGRTTCTKTQPNLDNCPFHDQPHLKRKAFCFSFIYAVPWQGTMTLS KSTCQDA
Predicted Molecular Mass	15.7 kDa
Expression system	<i>E. coli</i>
Purity	Greater than 95% as determined by SDS-PAGE analysis
Labelling	Uniform labelling on all amino acids with <sup>15</sup> N. U-15N incorporation is >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein.
Tag information	No tag
Protein Content	Quantitation is carried out by Bradford protein assay.
Formulation	Lyophilized from 25 mM MES, 80 mM NaCl pH6.0 buffer. Centrifuge the vial prior to opening. Reconstitute by adding water.
Shipping and storage	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.
Usage	The product is for research use only. Not for diagnostic or therapeutic use.

