

Human Cystatin C SIL-protein

SIL-CYTC protein standard – Uniform ¹⁵ 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 IVAGVNYFLDVELGRTTCTKTQPNLDNCPFHQPHLKRKAFCSFQIYAVPWQGTMTLS 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 ¹⁵ 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.
Legal	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.



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