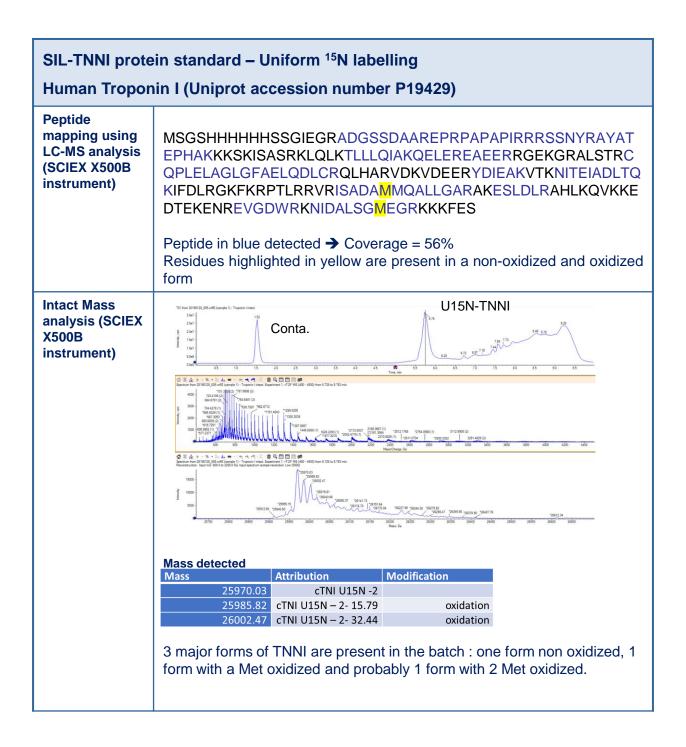


SIL-TNNI protein standard – Uniform <sup>15</sup> N labelling		
Human Troponin I (Uniprot accession number P19429)		
Product Description	Troponin I is one subunit of the Troponin complex. It is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. It consists of 210 amino acids. Recombinant human Troponin I was expressed in <i>E. coli</i> with purification tag ampurified using proprietary method including ion exchange and size exclusio chromatography.	
Protein sequence	MSGSHHHHHHSSGIEGRADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKISA SRKLQLKTLLLQIAKQELEREAEERRGEKGRALSTRCQPLELAGLGFAELQDLCRQLHAR VDKVDEERYDIEAKVTKNITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAK ESLDLRAHLKQVKKEDTEKENREVGDWRKNIDALSGMEGRKKKFES	
Predicted Molecular Mass	25.75 kDa	
Expression system	E. coli	
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 >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein	150 kDa 100 kDa 75 kDa
Tag information	polyHis-tag at the N-terminus	50 kDa 37 kDa
Protein Content	Quantitation is carried out by Bradford protein assay	25 kDa 20 kDa 15 kDa
Formulation	Lyophilized from 20 mM Tris pH8.0 buffer. Centrifuge the vial prior to opening. Reconstitute by adding 20 mM Tris pH8, 5 mM DTT buffer.	10 kDa _
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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