

Suppl Data 2: Supporting tryptic and chymotryptic peptides for the C1-M-C2 region of recombinant human Myosin-binding protein C, cardiac-type (Q14896); n.d: non-detectable

DTT Modification	MH ⁺ (theoretical)	MH ⁺ (experimental)	Error (ppm)	Peptide
Trypsin				
Cys (CAM)	3173.4668	3173.4966	9.4	(K)DKFDC(249)SNFNLTVHEAMGTGDLDLLSAFR
Cys (CAM) - Cys (CAM)	2642.2548	2642.2599	1.9	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys-Cys	2526.2119	2526.2078	-1.7	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (CAM)- Cys (CAM)	2486.1537	2486.1742	8.2	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys-Cys	2370.1108	2370.1265	6.6	(R)TLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (CAM)	983.4866	983.4859	-0.7	(K)C(443)STELFVK
Chymotrypsin				
Cys (CAM)	1269.6253	1269.6267	0.9	(Y)RC(239)EVSTKDKF
Cys (CAM) - Cys (CAM)	1892.8265	1892.8257	-0.5	(Y)RC(239)EVSTKDKFDC(249)SNF
Cys (CAM)	1414.6155	1414.6155	0.0	(L)TISQC(426)SLADDAAY
Cys (CAM) - Cys (CAM)	1613.7298	1613.7305	0.4	(Y)QC(436)VVGGEKC(443)STELF
GSSG				
Modification	MH ⁺ (theoretical)	MH ⁺ (experimental)	Error (ppm)	Peptide
Trypsin				
Cys (CAM)	3173.4668	3173.4736	2.2	(K)DKFDC(249)SNFNLTVHEAMGTGDLDLLSAFR
Cys (GSSG)	3421.5132	3421.5388	7.5	(K)DKFDC(249)SNFNLTVHEAMGTGDLDLLSAFR
Cys (GSSG) - Cys (GSSG)	3138.3476	3138.3352	-3.9	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (GSSG) - Cys (CAM)	2890.3012	2890.2902	-3.8	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (CAM) - Cys (CAM)	2642.2548	2642.2698	5.7	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys-Cys	2526.2119	2526.2139	0.8	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (GSSG) - Cys (GSSG)	2982.2465	2982.2689	7.5	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (GSSG) - Cys (CAM)	2734.2001	2734.1813	-6.9	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (CAM) - Cys (CAM)	2486.1537	2486.1690	6.2	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys-Cys	2370.1108	2370.1101	-0.3	(K)RTLISQC(426)SLADDAAYQC(436)VVGGEK
Cys (CAM)	983.4866	983.4880	1.4	(K)C(443)STELFVK
Chymotrypsin				
Cys (GSSG)	1517.6717	n.d.		(Y)RC(239)EVSTKDKF
Cys (CAM)	1269.6253	1269.6271	1.2	(Y)RC(239)EVSTKDKF
Cys (GSSG) - Cys (GSSG)	2388.9193	2388.9186	-0.6	(Y)RC(239)EVSTKDKFDC(249)SNF
Cys (GSSG) - Cys (CAM)	2140.8729	n.d.		(Y)RC(239)EVSTKDKFDC(249)SNF
Cys (CAM) - Cys (GSSG)	2140.8729	2140.8764	1.4	(Y)RC(239)EVSTKDKFDC(249)SNF
Cys (CAM) - Cys (CAM)	1892.8265	1892.8241	-1.3	(Y)RC(239)EVSTKDKFDC(249)SNF
Cys (GSSG)	1662.6619	1662.6639	1.0	(L)TISQC(426)SLADDAAY
Cys (CAM)	1414.6155	1414.6172	1.2	(L)TISQC(426)SLADDAAY
Cys (GSSG) - Cys (GSSG)	2109.8226	n.d.		(Y)QC(436)VVGGEKC(443)STELF
Cys (GSSG) - Cys (CAM)	1861.7762	1861.778	0.8	(Y)QC(436)VVGGEKC(443)STELF
Cys (CAM) - Cys (CAM)	1613.7298	1613.7310	0.7	(Y)QC(436)VVGGEKC(443)STELF