

Supplementary Figure S1

P62988 (UBIQ_HUMAN) MW = 8560, Ubiquitin

MQIFVKTLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QLRIFAGKQL
EDGRTLSDYN IQESTLHLV LRLRGG

Query	Observed	Mr(expt)	Mr(calc)	ppm	Miss	Score	Expect	Rank	Peptide
6	391.1400	780.2655	780.4204	-198.47	0	33	0.027	1	-. <u>MQIFVK</u> .T
138	534.2090	1066.4035	1066.6135	-196.88	0	49	0.00052	1	K. <u>ESTLHLVLR</u> .L
142	541.1877	1080.3609	1080.5451	-170.48	0	34	0.019	1	R. <u>TLSDYNIQK</u> .E
286	508.5109	1522.5109	1522.7740	-172.76	1	62	2.1e-005	1	K. <u>IQDKEGIPPDQQR</u> .L
361	894.3104	1786.6063	1786.9200	-175.53	0	59	4.3e-005	1	K. <u>TITLEVEPSDTIENVK</u> .A
409	662.9076	1985.7011	1986.0521	-176.72	1	79	3.5e-007	1	K. <u>TITLEVEPSDTIENVKAK</u> .I

P25815 (S100P_HUMAN) MW= 10400, S100P

MTELETAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD
LDANGDAQVD FSEFIVFVAA ITSACHKYFE KAGLK

Query	Observed	Mr(expt)	Mr(calc)	ppm	Miss	Score	Expect	Rank	Unique	Peptide
199	538.2917	1074.5688	1074.5710	-1.96	0	29	1.9	1	U	K. <u>ELPGFLQSGK</u> .D
373	679.8246	1357.6346	1357.6361	-1.10	0	85	3.3e-006	1	U	R. <u>YSGSEGSTQTLTK</u> .G

Figure S1. Tryptic peptides (underlined in the full sequence) used to identify ubiquitin and S100P by MASCOT searching.