

Additional file 2

Table of synthetic light and heavy stables isotope for tAP-F13A1 during inclusion mass screening and PRM-based assays

a - LTQ Orbitrap settings maximized for a better detection of tAP-F13A1

b - Q-Exactive settings maximized for a better detection of tAP-F13A1

a

TAP-F13A1 isoforms		Classification	Precursor [M]	Type of fragmentation	Collision energy	MS resolution	MS/MS resolution	Isolation width (m/z)
AVPPNNSNAAEDDLPTVELQGVVPR		Light	1301.659 ++	HCD	40	15,000	7,500	3
AVPPNNSNAAEDDL(¹³ C ₆ ¹⁵ N)PTVEL(¹³ C ₆ ¹⁵ N)QGVVPR(¹³ C ₆ ¹⁵ N ₄)		Heavy	868.1084 +++ 1313.6803 ++ 876.1226 +++	HCD HCD HCD	35 40 35	15,000 15,000 15,000	7,500 7,500 7,500	3 3 3
AVPPNNSNAAEDDLPTVELQGLVPR		Light	1308.6668 ++	HCD	40	15,000	7,500	3
AVPPNNSNAAEDDLPTVEL(¹³ C ₆ ¹⁵ N)QGL(¹³ C ₆ ¹⁵ N)VPR(¹³ C ₆ ¹⁵ N ₄)		Heavy	872.7803 +++ 1320.6881 ++ 880.7945 +++	HCD HCD HCD	35 40 35	15,000 15,000 15,000	7,500 7,500 7,500	3 3 3

b

TAP-F13A1 isoforms		Classification	Precursor [M]	Type of fragmentation	Collision energy	MS/MS resolution	Isolation width (m/z)
AVPPNNSNAAEDDLPTVELQGVVPR		Light	1301.659 ++	HCD	29	35,000	3
AVPPNNSNAAEDDL(¹³ C ₆ ¹⁵ N)PTVEL(¹³ C ₆ ¹⁵ N)QGVVPR(¹³ C ₆ ¹⁵ N ₄)		Heavy	868.1084 +++ 1313.6803 ++ 876.1226 +++	HCD HCD HCD	25 29 25	35,000 35,000 35,000	3 3 3
AVPPNNSNAAEDDLPTVELQGLVPR		Light	1308.6668 ++	HCD	29	35,000	3
AVPPNNSNAAEDDLPTVEL(¹³ C ₆ ¹⁵ N)QGL(¹³ C ₆ ¹⁵ N)VPR(¹³ C ₆ ¹⁵ N ₄)		Heavy	872.7803 +++ 1320.6881 ++ 880.7945 +++	HCD HCD HCD	25 29 25	35,000 35,000 35,000	3 3 3