

The MW of the peptide fragments obtained by MALDI-TOF/MS analysis.

AP-1 : 1036.58
AP-2 : 1315.84
AP-3 : 1376.75
AP-4 : 1563.77
AP-5 : 1684.81

Cys modification: carbamidomethylation

Identificaion to [gi|4506061|ref|NP\\_002724.1](#) AMP-activated protein kinase, noncatalytic gamma-1 subunit isoform 1; AMPK gamma-1 chain; 5'-AMP-activated protein kinase, gamma-1 subunit [Homo sapiens]

Digestion by (Enzyme) : Lys-C  
(MW : 37579.535 Da)

peptide	observed	theoretical	delta	corresponding sequence	Head	Tail	comment
AP-1	1036.58	1036.58	0.00	[K]GRVVDIYSK[F]	235	243	
AP-3	1376.75	1376.82	-0.07	[K]LVVFDTSLQVKK[A]	48	59	
AP-4	1563.77	1563.76	+0.01	[K]SHRCYDLIPTSSK[L]	35	47	
AP-5	1684.81	1684.89	-0.08	[K]ALQHRSHYFEGVLK[C]	265	278	

**1** METVISSDSS **11** PAVENEHPQE **21** TPESNNSVYT **31** SFMKSHRCYD **41** LIPTSSKLVV **51** FDTSLQVKKA **61** FFALVTNGVR **71** AAPLWDSKKQ  
**81** SFVGMLTITD **91** FINILHRYRK **101** SALVQIYELE **111** EHKIETWREV **121** YLQDSFKPLV **131** CISPNASLFD **141** AVSSLIRNKI **151** HRLPVIDPES  
**161** GNTLYILTHK **171** RILKFLKLFY **181** TEFPKPEFMS **191** KSLEELQIGT **201** YANIAMVRTT **211** TPVYVALGIF **221** VQHRVSALPV **231** VDEKGRVVDI  
**241** YSKFDVINLA **251** AEKTYNNLDV **261** SVTKALQHRS **271** HYFEGVLKCY **281** LHETLETIIN **291** RLVEAEVHRL **301** VVDENDVVK **311** GIVSLSDILQ  
**321** ALVLTGGEKK P

AMP-activated protein kinase, noncatalytic gamma-1 subunit isoform 1; AMPK gamma-1 chain; 5'-AMP-activated protein kinase, gamma-1 subunit [Homo sapiens]  
ACCESSION [NP\\_002724.1](#)