

**Table 1. MS analysis of AP-1A-coated liposomes**

Protein	NCBI GI number	Predicted Mr (Da)	LC-MS/MS analysis	MALDI-TOF/TOF analysis			
			No. of sequenced peptides	Mascot score	Matched/total peptides	Sequence coverage	Peak number
<b>Coat components</b>							
Clathrin heavy chain	66773801	191,557	33	317	47/75	38%	2
Clathrin light chain B	62510439	25,172	3				
Clathrin light chain A	2493731	25,557	3				
AP-1 $\beta$ 1	21541948	104,540	26	215	28/52	36%	5
AP-1 $\gamma$ 1	113349	91,202	21	203	27/47	43%	6
AP-1 $\mu$ 1	543817	48,512	18	161	22/60	53%	8
AP-1 $\sigma$ 1B	21541960	18,917	4				
AP-1 $\sigma$ 1A	48428720	18,721	5				
AP-1 $\gamma$ -subunit binding protein 1 ( $\gamma$ -synergin)	34996507	122,005		100	16/37	18%	
ARF-1/ARF-3	51316986 47117658	20,553 20,457	9	75	9/39	56%	11
ARF-GEF 2 (brefeldin A-inhibited)	63492672	181,465	8	78	25/81	22%	1
G protein-coupled receptor kinase-interactor 1 (ARF-GAP Git1)	58864889	84,195	11	94	14/48	32%	7
G protein-coupled receptor kinase-interactor 2 (ARF-GAP Git2)	18203126	78,747	9				
Arfaptin 1	63501125	41,518	3				
Arfaptin 2	67460562	37,773	5				
<b>Actin nucleation</b>							
Nck-associated protein 1 (HEM-2)	26986194	128,784	25	69	12/29	14%	4
CYFIP2	19526988	145,589		388*	46/86	41%	3
Abi-1	50400517	52,255	5				
Abi-2	50400259	49,356	7				
SH3 adapter protein SPIN90 (Nck-interacting protein with SH3 domain)	57015413	78,523	6				
WASP-family protein member 1	16877274	61,471	6				
WASP-family protein member 3	20071942	55,170	4				
ARP 2/3 complex subunit 1A	59797974	41,600	4				
ARP 2/3 complex subunit 2	23621467	34,357	4				
ARP 2/3 complex subunit 4	38372626	19,523	5				
ARP 2/3 complex subunit 3	62899893	20,525	2				
p21-Rac1	51702788	21,436	4	108	5/51	31%	10
Cdc42 homolog	46397379	21,297	3				
SLIT-ROBO Rho-GAP3 (WAVE-associated Rac-GAP)	48428625	124,341	32	85	18/60	21%	
Rho-GEF 7 (PAK-interacting exchange factor $\beta$ )	18202873	79,782	13	178	13/20	16%	
PAK 3	47117898	62,358	11				
<b>Lipid modification</b>							
PI-4-Kinase III $\beta$	51262078	89,887		78†	7/30	14%	
<b>Membrane fusion</b>							
Rab11B	1172815	24,474	11	86	9/47	54%	9
Rab14	46577103	23,882	10	165	15/47	74%	9
Rab4	15986733	23,539	4	131‡	6/50	38%	

\* Combined mascot score: 2 sequenced peptides ( $[M+H]^+$  1420.83 <sup>1053</sup>YAPLHLVPLIER<sup>1064</sup> and 1824.00 <sup>477</sup>NTIYAALQDFAQVTLR<sup>492</sup>).

† Combined mascot score: 1 sequenced peptide ( $[M+H]^+$  1187.63 <sup>482</sup>EPVFIAAGDIR<sup>492</sup>).

‡ Combined mascot score: 1 sequenced peptide ( $[M+H]^+$  1406.75 <sup>80</sup>GAAGALLVYDITSR<sup>93</sup>).