Table S1 Primers used in molecular cloning and mutagenesis

	Forward primer	Reverse primer
ACP6 (33-428aa)	5′-cctgggatccGAGCTGCAGGAGGCCGATGG-3′	5′-gccgctcgagTTACTCTTCATTTCCAACTT-3′
R58A	5′-GTGTTTgcaCACGGGGCTCGGAGTCCTCTC-3′	5′-GACCTGCACCATTTTCAACTTCAGCAGGCT-3′
H59A	5′-GTCGTGTTTCGAgccGGGGCTCGGAGTCCT-3′	5′-CTGCACCATTTTCAACTTCAGCAGGCTGCG-3′
R62A	5′-GGGGCTgcgAGTCCTCTCAAGCCGCTCCCG-3′	5′-GTGTCGAAACACGACCTGCACCATTTTCAA-3′
R168A	5′-ATTTTTgcgAATCTGGAGTCCACCCGTTGT-3′	5′-GTTAGTGGAACGAATAAAGACCTCCTGTGG-3′
H334A	5′-GCGGCTgctGATGTGACCTTCATACCGCTC-3′	5′-ATAGAGATACAGCTTTCTGATCTTGTCGGG-3′
D335A	5′-GCGGCTCATgctGTGACCTTCATACCGCTC-3′	5′-ATAGAGATACAGCTTTCTGATCTTGTCGGG-3′
A257L	5′-GACAACGTGcttGCCGAGCAGGCACACAAC-3′	5′-CAGGAGGATGAAGAAGTCCACTTTATCACT-3′
A257F	5′-GACAACGTGtttGCCGAGCAGGCACACAAC-3′	5′-CAGGAGGATGAAGAAGTCCACTTTATCACT-3′
A257W	5′-GACAACGTGtggGCCGAGCAGGCACACAAC-3′	5′-CAGGAGGATGAAGAAGTCCACTTTATCACT-3′
S285W	5′-GACACAtggTTGTACATACTGCCCAAGGAA-3′	5′-CACAGCTCTCTGTTCGATCATCCTTGCAAA-3′
L289W	5′-TACATAtggCCCAAGGAAGACAGGGAAAGT-3′	5′-CAAGGATGTGTCCACCAGCTCTCTGTTCGAT-3′
Y106F	5′-ttcGACTCTCAATACCATGAGACCACCCTG-3′	5′-AGGAGAATATGGTTTCGGACCACCAGCTAG-3′
Y110F	5′-TACGACTCTCAAttcCATGAGACCACCCTG-3′	5′-AGGAGAATATGGTTTCGGACCACCAGCTAG-3′
Y(106,110)F	5′-ttcGACTCTCAAttcCATGAGACCACCCTG-3′	5′-AGGAGAATATGGTTTCGGACCACCAGCTAG-3′
M106-112 (YDSQYHE→AASAAAA)	5′-gccgctgcgACCACCCTGAAGGGGGGCATG-3′	5′-tgcAGAggcggcAGGAGAATATGGTTTCGG-3′
Δ77-116	5′-GGGGGCATGTTTGCTGGGCAGCTGACCAAG-3′	5′-CCACTCTACCTGCTCCTCCAGCGGGAGCGG-3′

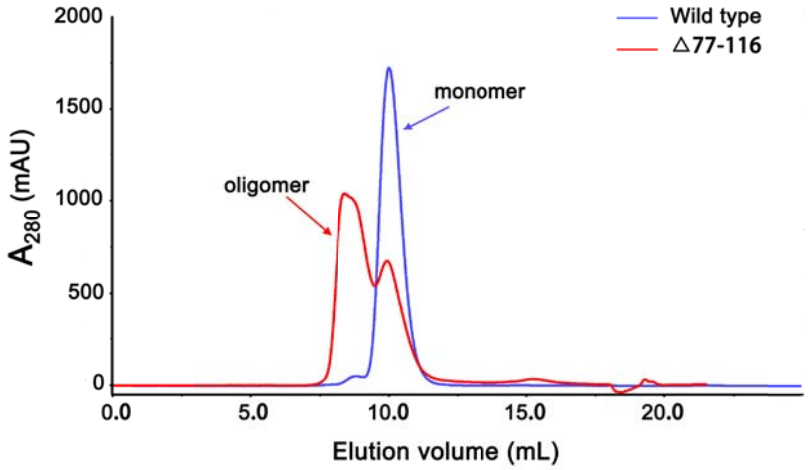

Figure S1 Gel filtration chromatograms indicate the triangular structure (fragment 77-116) keeps ACP6 in its monomeric form in solution.

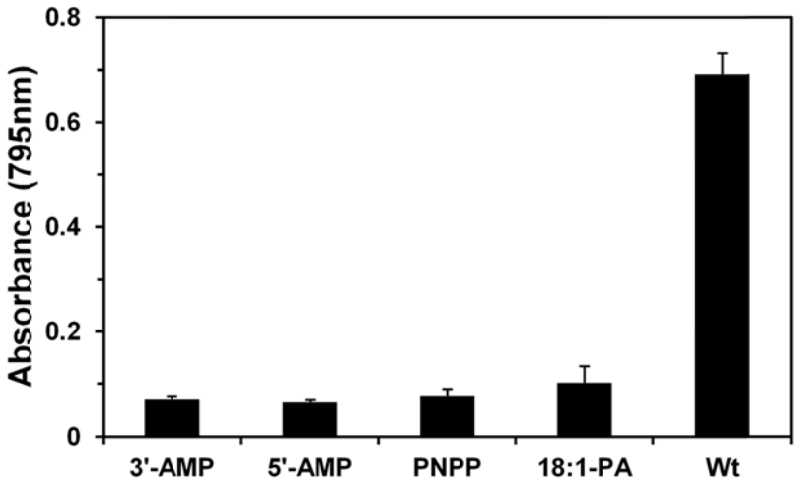

Figure S2 Substrate specificity of ACP6. Error bars represent s.d. (n=3).