

Comparative lipidomics of 5-Fluorouracil-sensitive and –resistant colorectal cancer cells reveals altered sphingomyelin and ceramide controlled by acid sphingomyelinase (SMPD1)

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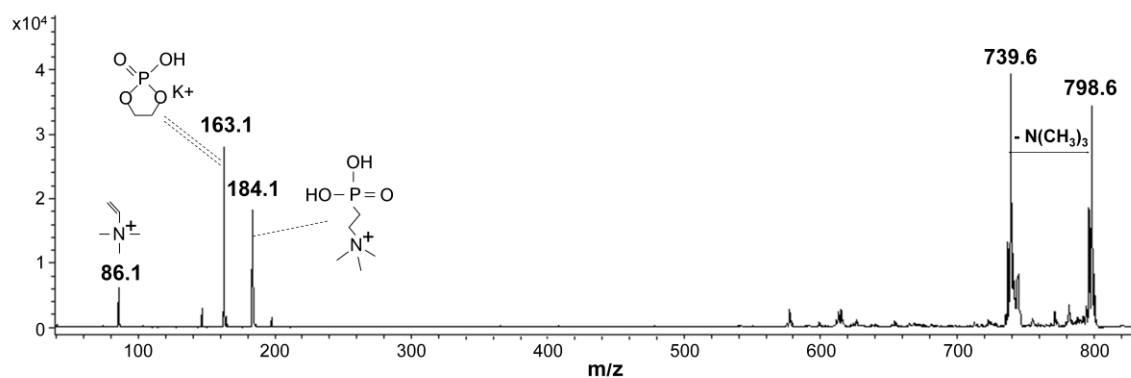
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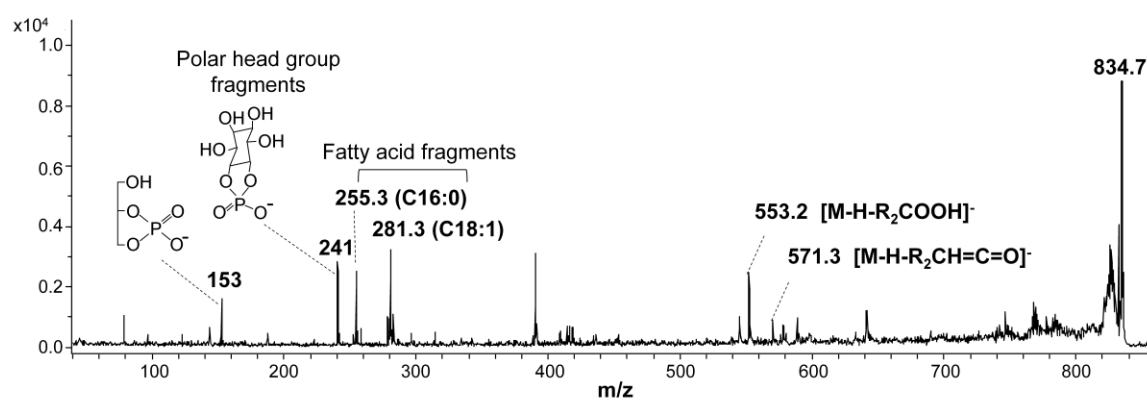
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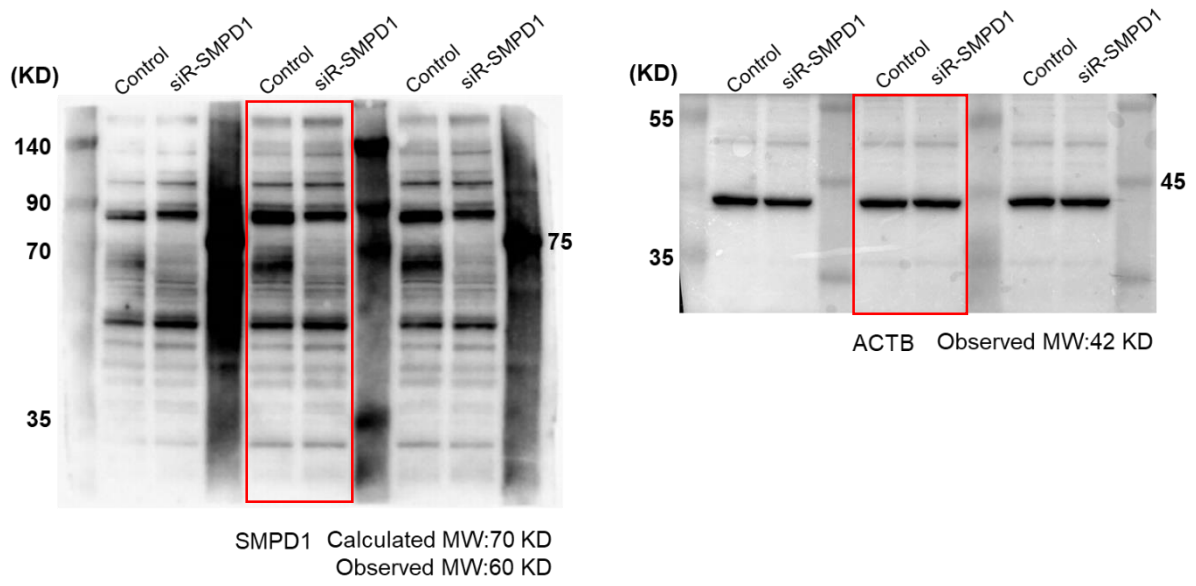
A m/z 798.6 PC {34:1} [M+K]⁺



B m/z 834.7 PI {16:0/18:1} [M-H]⁻



Supplementary Figure S1. Representative MS/MS spectra using the LIFT technique for phospholipid species. (A) MS/MS spectra of PC {34:1} [M+K]⁺ at m/z 798.6 in positive ion mode and (B) PI {16:0/18:1} [M-H]⁻ at 834.7 m/z in negative ion mode.



Supplementary Figure S2. Full blots of figure 4A. Red box indicated the data used as a figure. The expressions of SMPD1 and ACTB were examined in same gel. The methods regarding gene-silencing and western blot experiments were described in method parts of main manuscript.