

Chemically engineered papain as artificial formate dehydrogenase for NAD(P)H regeneration

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Electronic Supporting information

ESI-MS analysis of PAP-4a and PAP-4b: ESI-MS spectra were acquired on a triple quadrupole mass spectrometer API 3000 LC-MS/MS system (Applied Biosystems, PE Sciex) in positive-ion mode with the following parameters: declustering potential 20 V, capillary voltage 5000 V, source temperature 400°C. Samples (140 μ M for PAP-4b and 234 μ M for PAP-4a, 20 μ l) acidified with 10 % formic acid (5 μ l) were introduced through the liquid chromatography system (Agilent 1100 series) without column into the turbo ion spray source using H₂O/MeOH (1:1) as eluent (0.2 ml/min). The molecular masses were calculated from m/z peaks in the charge distribution profile of the multiply charged ions with Hypermass 11 script of Analyst 1.1 software (Applied Biosystems, PE Sciex).

Figure S1. ESI-MS of papain-4a

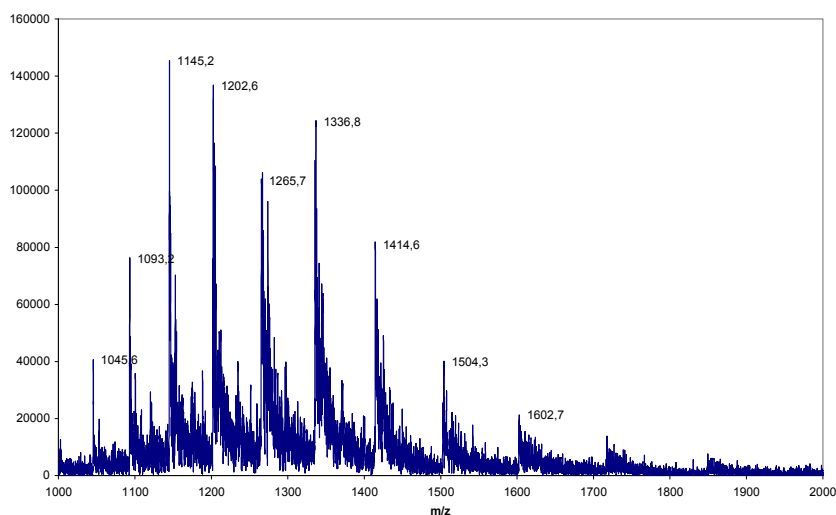


Figure S2. ESI-MS of papain-4b

