Cation-dependent stability of subtilisin.

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Abstract: Subtilisin BPN' contains two cation binding sites. One specifically binds calcium (site A), and the other can bind both calcium and monovalent cations (site B). The stability of subtilisin BPN' is strongly dependent on the concentration of monovalent cations. As site A becomes saturated with calcium, the stability of site B is enhanced approximately 200-fold, irrespective of the concentration of monovalent cations.
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