Engineering subtilisin into a fluoride-triggered processing protease useful for one-step protein purification.

Subtilisin was engineered into a highly specific, processing protease, and the subtilisin prodomain was coengineered into a fluoride triggered processing protease useful for one step protein purification. This processing protease can be stripped of the tightly bound prodomain at pH 2.1. Ten proteins have been purified to date by this method.