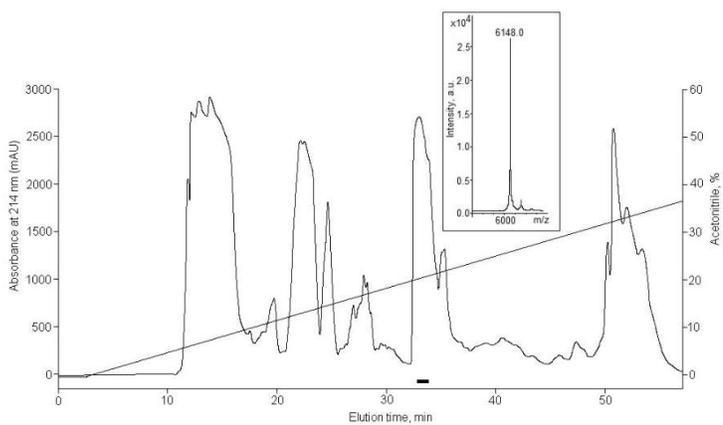
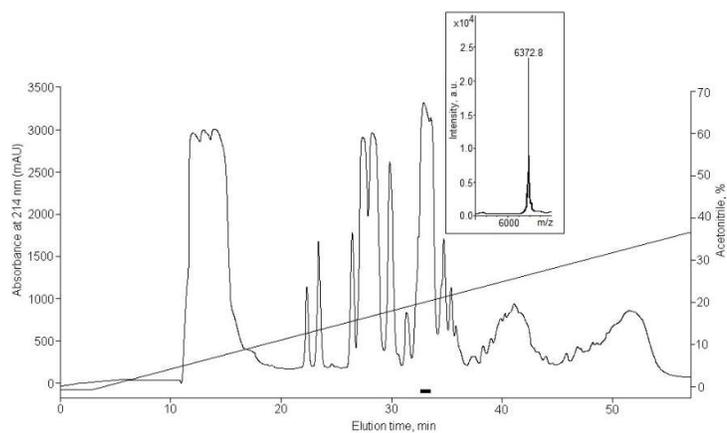


(a)

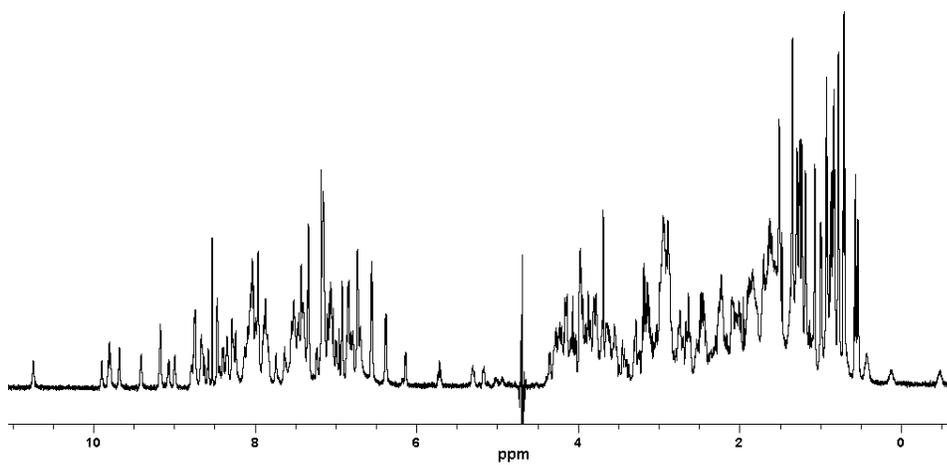


(b)

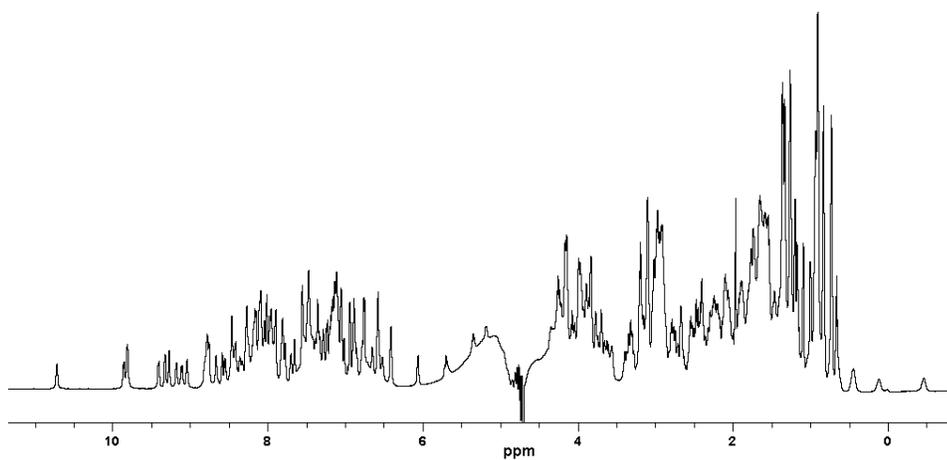


(c)

Figure S1. The RP-HPLC elution profiles of Kunitz peptides: HCRG1 (a), HCRG2 (b), and HCRG7 (c), on a Jupiter C4 column (Phenomenex, USA), equilibrated by 0.1% TFA, pH 2.2, in a gradient of acetonitrile concentration (0–70%) for 70 min at 1.5 mL/min. MALDI mass spectra of average molecular weight of peptides are shown in insert. Black solid lines accentuate fractions from which the peptide was isolated.



(a)



(b)

Figure S2. ¹H NMR spectra of HCRG1 (a) and HCRG7 (b).

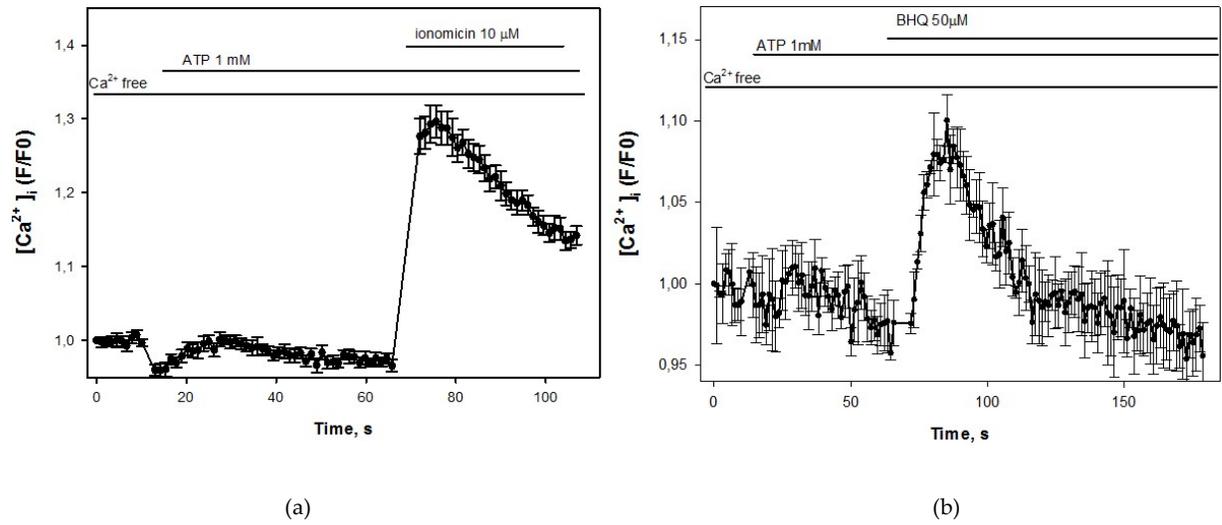


Figure S3. Representative traces of $[Ca^{2+}]_i$ increase induced by ionomycin (10 μ M) in the presence of ATP 1 mM in Ca-free medium in Neuro-2a cells (a). Influence of SERCA blocker BHQ (50 μ M) in Ca-free medium on Ca^{2+} influx caused by ATP (1 mM) in Neuro-2a cells (b). The data are presented as the $m \pm SE$ values ($n = 6$).