**Additional file 1:**

**Figure S1.** The mass spectrometry of the target protein

**Figure S2.** Amino acid sequence information of AMEP412 (WP\_017418614.1). Amino acid sequence of AMEP412 in the one letter code. A predicted secondary structure is given in the lower line. H, Alpha helix; C, random coiled. Bold and italic letters, the peptide fragments detected by MS sequencing. Underlined, the predicted transmembrane domain

**Figure S1**



**Figure S2**

