Figure 1S. Phosphorylation of recombinant ZmeIF5A variants by CK2.

A. *ZmeIF5A* cDNA was cloned into pGEX-4T-1 expression vector using BamHI/SalI (rows 1 and 3; primers 6 and 7) and EcoRI/SalI restriction sites (row 2; primers 3 and 7). The obtained recombinant proteins were not cleaved (row 1) or cleaved with thrombin (rows 2 and 3). The resulted three recombinant ZmeIF5A variants have the CK2-phosphorylatable serine residue at different positions: 226 (row 1), 7 (row 2) or 2 (row 3). The amino acid sequences of obtained proteins are bolded and the phosphorylatable serine is marked with P. The consensus sequence for CK2 is shadowed.
B. Autoradiography of phosphorylated ZmeIF5A variants (lanes 1-3) corresponding to the constructs described in panel A, rows 1-3. As negative and positive controls of CK2 phosphorylation, GST (lane 4) and casein (lane 5) were used, respectively.