Table S1. Specific primers for qRT-PCR amplification.

Genes	GenBank accession number	Forward primer (5'→3')	Reverse primer (5'→3')
SlACTIN	NM_001308447	TGGTCGGAATGGGACAGAAG	CTCAGTCAGGAGAACAGGGT
SlAPX1	NM_001247853	TTCTCCAGCTGGTACTTTGAT	GAAGTGCATAACTTCCCATCT
NtACTIN	BAD27408	GCTTGCTTACATTGCTCTC	TGTGGAGAAGAACTATGAGC
NtOsmotin	X61679	GTAACTTCAATGCTGCTGGTAGG	CAAAGCGTATTCAGCCAAGGTG
NtP5CS	HM854026	GACACGGACTGATGGAAGATTA	GCACCTGAAGTCACCAGAATAA
NtDREB2	EU727156	GAAACGCCAGAAAGTAGT	ATTAGTCCTTCCGCCATA
NtLEA5	AF053076	GTTACCATACCACGTCCCATAG	GAGCTAGGACGCTCCATATTT

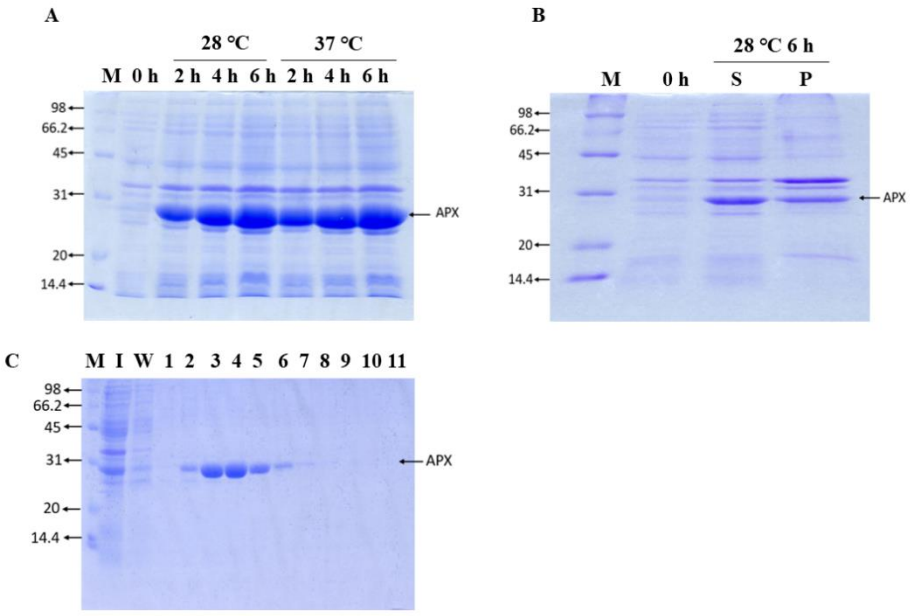

Figure S1. Induction and purification of tomato SlAPX recombinant protein prokaryotically. A: SDS-PAGE analysis of the recombinant tomato SlAPX proteins. M: protein marker. Protein expression collected at 0, 2, 4, 6 h post induction in *Escherichia coli* with 1 mM IPTG at 28 ℃ or 37 ℃. B: SDS-PAGE analysis of the recombinant tomato SlAPX proteins of the supernatant (S) or precipated (P) protein collected at 6 h post induction with 1 mM IPTG at 28 ℃. C: Purification of the SlAPX protein. I: flow-through liquid. W: wash buffer. The protein was eluted in 1 mL fractions using a discontinuous gradient of imidazole prepared in the same buffer with 100 mM NaCl and 10, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500 mM imidazole, respectively (1-11).