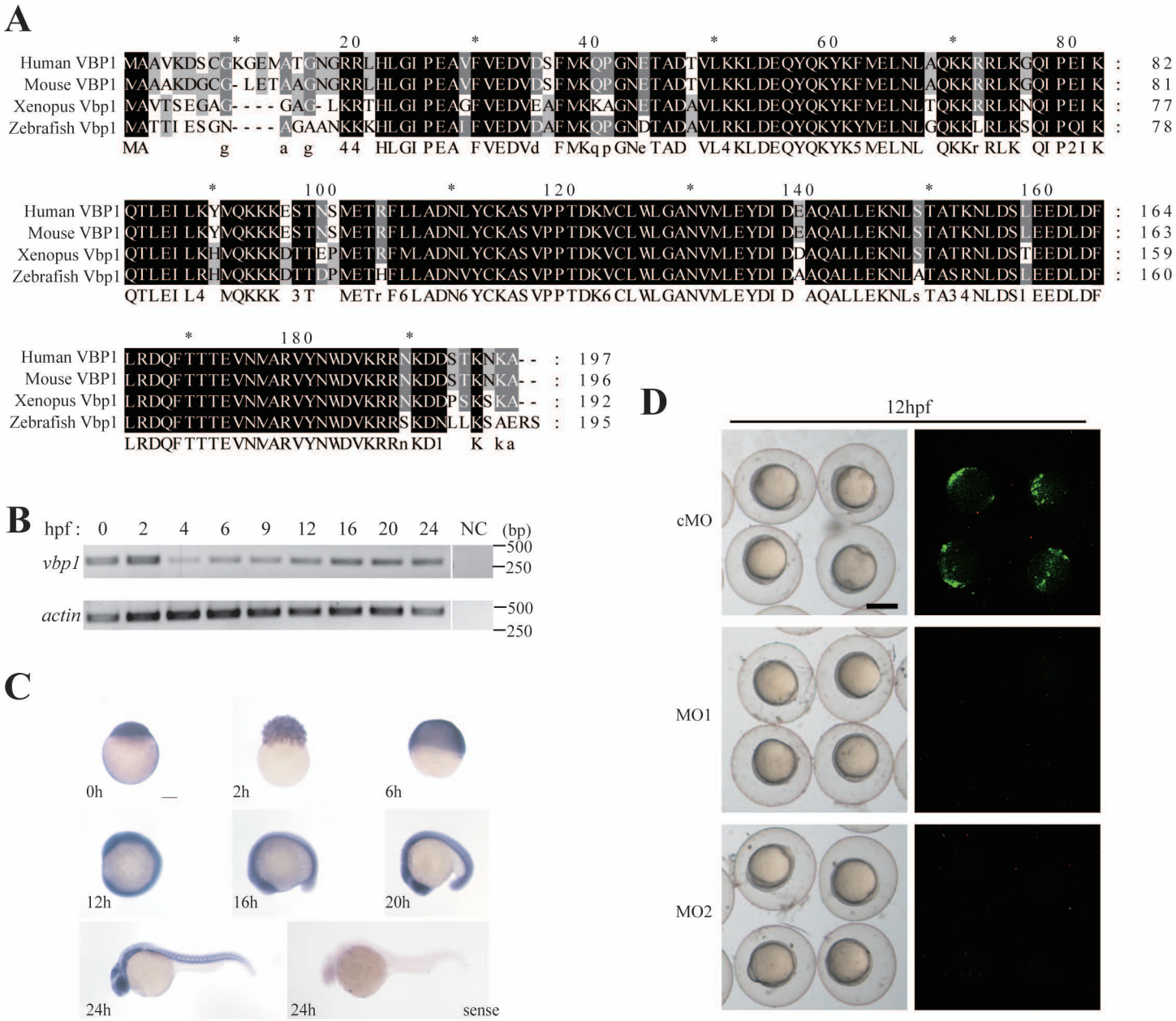
**Sup Figure legends**

**Fig. S1 Amino acid sequence alignment of VBP1/Vbp1 and the spatiotemporal expression pattern of zebrafish *vbp1*.** (A) Amino acid sequence alignment of human, mouse, *Xenopus*, and zebrafish VBP1/Vbp1. Conserved amino acids are indicated in black shadow. The accession numbers are as follows: human VBP1 NP_003363.1, mouse VBP1 NP_035822.2, Xenopus Vbp1 NP_001080849, and zebrafish Vbp1 NP_001018460.1. (B) RT-PCR analysis of *vbp1* mRNA in zebrafish embryos at indicated stages. (C) Whole-mount *in situ* hybridization analysis of *vbp1* transcripts at indicated stages. Scale bar, 200 μm. (D) Effectiveness of the used MO. One-cell stage embryos were injected with the *vbp1*-5'-UTR reporter plasmid DNA (50 pg) and control MO (cMO, 6 ng) or *vbp1*-targeting MO (MO1 and MO2, 4 ng and 6 ng). Fluorescence micrographs of injected embryos at 12 hpf are shown. Scale bar, 500 μm.

Fig.S1


A
Human VBP1
Mouse VBP1
Xenopus Vbp1
Zebrafish Vbp1
B
hpf: 0 2 4 6 9 12 16 20 24 NC (bp)
vbp1
actin
500
250
C
0h
2h
6h
12h
16h
20h
24h
24h
sense
D
12hpf
cMO
MO1
MO2