

**Supplementary Table 1.** PCR primers used for amplification and subcloning of OvROPN1L cDNA fragments

Regions	Codon ranges	Primers ( <i>Bam</i> HI, <i>Pst</i> I sites in bold)
H1	M1-	5'-GGATCCATGCCGCTTGTCAACGATCC-3'
	R111	5'-CTGCAGTTATCGGTCAATTGGCAAAGAC
H2	F112-	5'-GGATCCTTTCAAGAATTGTGTCGT-3
	D222	5'-CTGCAGTCAGTCTAGTGGTTTGAG-3'
F1	M1-	5'-GGATCCATGCCGCTTGTCAACGATCC-3'
	P56	5'-CTGCAGTTAAGGTGGTTCGCTGTTTGCT-3'
F2	P57-	5'-GGATCCCCCGTGAAGGACCGTCTG-3'
	R111	5'-CTGCAGTTATCGGTCAATTGGCAAAGAC-3'
F3	K29-	5'-GGATCCAAGGCCGCGATACGAACC-3'
	L83	5'-CTGCAGTTACAGGACTCGAAGGAGACC-3'
F4	N84-	5'-GGATCCAACAATCAGCTTGCTGTTC-3'
	L138	5'-CTGCAGTTACAAATCTGAAGCAGCTATTGC-3'

AIK66520, <i>Opisthorchis viverrini</i>	LVNDPYYCHEQ
TGZ65680, <i>Opisthorchis felineus</i>	.....
KAA3672387, <i>Paragonimus westermani</i>	IPQ.....
VDP95424, <i>Echinostoma caproni</i>	ILL.....
THD27442, <i>Fasciola hepatica</i>	ISL.....
TPP61460, <i>Fasciola gigantica</i>	ISL.....
KAA0195190, <i>Fasciolopsis buski</i>	ISL.....
VDD79569, <i>Mesocestoides corti</i>	IIEE.....
TNN17638, <i>Schistosoma japonicum</i>	VT.A.....
AFX73013, <i>Spirometra erinaceieuropaei</i>	V.EE.....
VDM01007, <i>Schistocephalus solidus</i>	V.EE.....
VDK79615, <i>Dibothriocephalus latus</i>	V.EE.....
VDK22796, <i>Taenia asiatica</i>	ISEE.....
CDS42479, <i>Echinococcus multilocularis</i>	ISEE.....
VDM35512, <i>Hydatigera taeniaeformis</i>	ISEE.....
RTG87929, <i>Schistosoma bovis</i>	IS.N.H.....
XP_012800101, <i>Schistosoma haematobium</i>	IS.N.H.....
VDP471133, <i>Schistosoma curassoni</i>	IS.N.H.....
XP_018652040, <i>Schistosoma mansoni</i>	IS.Y.....
NP_001188395, <i>Homo sapiens</i>	. - P . T M F . A Q .

**Supplementary Fig. S1.** Sequence divergence of peptide P1 (*Opisthorchis viverrini* ROPN1L amino acids L3–Q13) in the phylum Platyhelminthes as revealed by BLASTP. The top 18 hits are shown, and the human sequence was manually added for comparison at the bottom. GenBank accession numbers of the proteins are shown to the left of the species names.