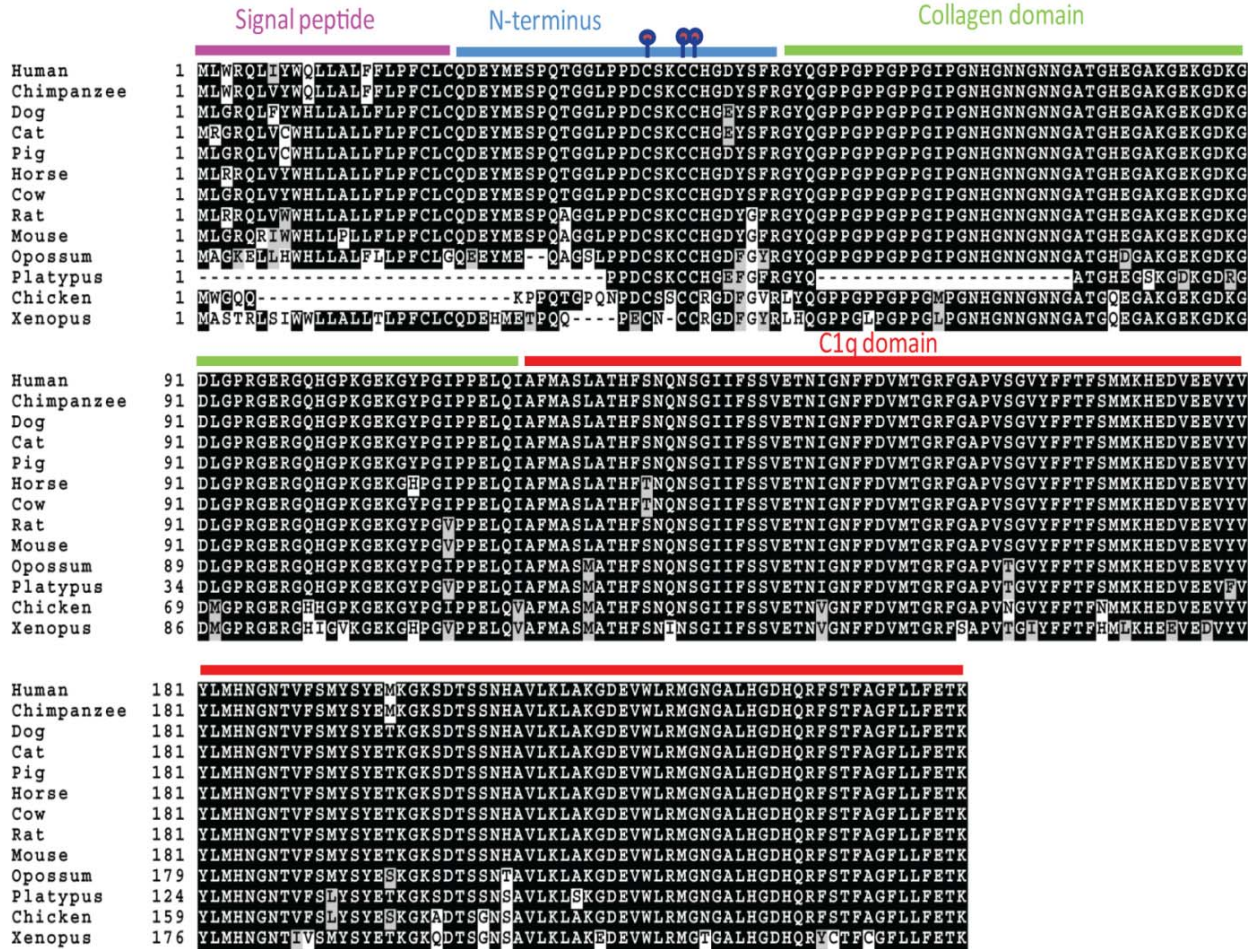


Supplemental Figure S1. Human CTRP3A protein sequence is highly conserved throughout vertebrate evolution (Supplemental Fig. S1), with 99, 97, 96, 97, 97, 97, 96, 95, 91, 82, 89, and 78 % amino acid identity between full-length human and the corresponding sequences found in chimpanzee, dog, cat, pig, horse, cow, rat, mouse, opossum, platypus, chicken, and xenopus, respectively. Highly conserved Cys residues are indicated by ball-and-stick.



Supplemental Figure S2. The extra 73 amino acids found in the amino-terminus of CTRP3B are also highly conserved, with 100, 97, 93, 90, 93, 89, 83, 62, 71, 48, and 38 % amino acid identity between human and the corresponding sequences found in chimpanzee, dog, cat, pig, horse, rat, mouse, platypus, opossum, chicken, and xenopus, respectively. The highly conserved Asn where *N*-linked glycans attach is indicated by an arrow.

			↓		<u>% identity</u>	
Human	1	VSGRTNKVVARIVQSHQQTGRSGS	-	RREKVRERSHPKTGTVDNNTSTD	LKSLRPDELPHPEVDDLAQITTFWGQ	100
Chimpanzee	1	VSGRTNKVVARIVQSHQQTGRSGS	-	RREKVRERSHPKTGTVDNNTSTD	LKSLRPDELPHPEVDDLAQITTFWGQ	100
Dog	1	VSGRANKVVARIVQSHQQTGRSGS	-	RREKVRERSHPKTGTVDNNTSTD	LKSLRPDELPHPEVDDLAQITTFWGQ	97
Cat	1	VSGRAK K VVARIVQSHQQTGRSGS	-	RREKVRERSHP N TGTVDNNTS	ADLKSLRPDELPHPEVDDLAQITTFWGQ	93
Pig	1	VSGRANKVVARIVQSHQQTGRSGS	-	RREKVRERSH A TGTVDNNTS	ADLKSL K ADELPHPEVDDLAQITTFWGQ	90
Horse	1	VSR R RANKVVARIVQSHQQT V HSGS	-	RREKVRERSHPKTGTVDNNTSTD	LKSLRPDELPHPEVDDLAQITTFWGQ	93
Rat	1	VSR R RANKAVARIVQSHQQTGRSGS	-	RREKVR E QSHAKTGTVDNNTSTD	LKSLRPDELPHPEVEDLAQITTFWGQ	89
Mouse	1	VSR R RANKAVARIVQSHQQTGRSGS	-	RREKVR E QSQAKTGTVDNNTSTD	LK F LRPEALPHPEVEDLAQITTFWGQ	83
Platypus	1	VSR R RANKAVARIVQSHHQTGRSDS	-	RRE Q MRARSHPMAGTVDNSTS	ADLDP-----PGSEVDDLAQITPSY---	62
Opossum	1	VSGRANKAVARIVQSHHQTG-----	-	RREKVRERSHP I E	GTVDNNTSPGPE S LRPDVLSHPDLNDLAQITSY---	71
Chicken	1	VSR R SYKPVAKVLQSHHQTGHKGRS	-	RREILKQRSQLEWTVANSSSTD	QNVLR-----PEVDDVELTSDRVQ	48
Frog	1	VRRRFNKPVARVVE S RHQRTSNNAPS	-	RREVVGQLDQLVE-AFANSSADTVLMR	-----QEVD D LEQ-----	38