

Cucsa.322750.seq	.....ATGAGCGCTTCAAGGTTTCATCAAGTGCCTACCGTTGGAGATGGAGCTGTTGGCAAAAC	59
ROP5_Clone.seq	TTGATACATATGCCCGTCGAGATGAGCGCTTCAAGGTTTCATCAAGTGCCTACCGTTGGAGATGGAGCTGTTGGCAAAAC	80
Consensus	atgagcgcttcaaggttcatcaagtgcgtaacggttggagatggagctgttggcaaaac	
Cucsa.322750.seq	TTGTCTCCTTATCTCCTATACCAGCAACACCTTCCCCACTGATTATGTGCCTACGGTTTTTGATAATTCAGTGCAAAATG	139
ROP5_Clone.seq	TTGTCTCCTTATCTCCTATACCAGCAACACCTTCCCCACTGATTATGTGCCTACGGTTTTTGATAATTCAGTGCAAAATG	160
Consensus	ttgtctccttattctcctataccagcaaacaccttccccactgattatgtgctacggtttttgataatttcagtgcaaatg	
Cucsa.322750.seq	TAGTTTGTAATGGGAGCACTGTTAACCTAGGTTTGTGGGATACAGCCGGACAGGAGGATTATAACCGGCTAAGGCCTTTG	219
ROP5_Clone.seq	TAGTTTGTAATGGGAGCACTGTTAACCTAGGTTTGTGGGATACAGCCGGACAGGAGGATTATAACCGGCTAAGGCCTTTG	240
Consensus	tagttgtgaatgggagcactgttaacctagggttgtgggatacagccggacaggaggattataacggctaaaggcctttg	
Cucsa.322750.seq	AGTTATCGTGGGCGAGATGTTTTATATTGGCATTCCTCTCATTAGCAAGGCCAGCTATGAAATGTTTCTAAAAGTG	299
ROP5_Clone.seq	AGTTATCGTGGGCGAGATGTTTTATATTGGCATTCCTCTCATTAGCAAGGCCAGCTATGAAATGTTTCTAAAAGTG	320
Consensus	agttatctgtgggagatgttttattatggcattctctctcattagcaaggccagctatgaaatgtttctaaaaagtg	
Cucsa.322750.seq	GATTCAGAGTGAAGCATTATGCTCCAGGAGTGCTATTGTTCTGGTTGGAACAAAGCTTGATCTTCGAGATGATAAGC	379
ROP5_Clone.seq	GATTCAGAGTGAAGCATTATGCTCCAGGAGTGCTATTGTTCTGGTTGGAACAAAGCTTGATCTTCGAGATGATAAGC	400
Consensus	gatttcagagtgaagcattatgctccaggagtgcctattgttctggttggaactaagcttgatcttcgagatgataagc	
Cucsa.322750.seq	AGTTCCTTATGATCATCTGGCGCAGTTCCTATTTCACAGCTCAGGGAGAGGAGCTTAGAAAGCTGATTGGAGCTCCA	459
ROP5_Clone.seq	AGTTCCTTATGATCATCTGGCGCAGTTCCTATTTCACAGCTCAGGGAGAGGAGCTTAGAAAGCTGATTGGAGCTCCA	480
Consensus	agtctcttattgatactcctgtggcgagttcctatttcaacagctcaggagaggagcttagaaagctgattggagctcca	
Cucsa.322750.seq	GCATACATCGAGTGCAGCTCAAAAACCTCAGCAGAATGTGAAGGGAGTTTTTGATGCAGCAATTAGGGTTGACTTCAACC	539
ROP5_Clone.seq	GCATACATCGAGTGCAGCTCAAAAACCTCAGCAGAATGTGAAGGGAGTTTTTGATGCAGCAATTAGGGTTGACTTCAACC	560
Consensus	gcatacatcgagtgacgtcaaaaactcagcagaatgtgaaggagtttttgatgcagcaattagggttgacttcaacc	
Cucsa.322750.seq	TCCAAAGCAGAAGAAAAAGAGAGCAAGCTCAGAAAGCATGCTCGATATTAGGATCCATGGTGAAGGAGG	594
ROP5_Clone.seq	TCCAAAGCAGAAGAAAAAGAGAGCAAGCTCAGAAAGCATGCTCGATATTAGGATCCATGGTGAAGGAGG	632
Consensus	tccaaagcagaagaaaaagagagcaagctcagaagcatgctcgatattaggatccatggtagagga	

**Figure S1** The cloned nucleotide sequence of *CsROP5* cDNA was compared with the known nucleotide sequences in the cucumber genome database.

Cucsa.197080.seq	.....ATGGCTTCCAGTGCTTCAAGGTTTCATCAAGTGCCTTACGGTTGGAGATGGAGCTGTTGG	59
ROP10_Clone.seq	TTGATACATATGCCCGTCGAGATGGCTTCCAGTGCTTCAAGGTTTCATCAAGTGCCTTACGGTTGGAGATGGAGCTGTTGG	80
Consensus	atggcttccagtgcttcaaggttcatcaagtgcgttacggttggagatggagctgttgg	
Cucsa.197080.seq	GAAGACCTGCATGCTCATATGTTATACCAGTAATAAATCCCCACTGATTATATACCCACTGTGTTTGATAACTTCAGTG	139
ROP10_Clone.seq	GAAGACCTGCATGCTCATATGTTATACCAGTAATAAATCCCCACTGATTATATACCCACTGTGTTTGATAACTTCAGTG	160
Consensus	gaagacctgcattgctcatatgtttataccagtaataaattccccactgattatataccactgtgtttgataacttcagtg	
Cucsa.197080.seq	CAAAATGTTGGTTGAAGGCACACCGTCAATTIAGGCCCTGTGGGATACCGCAGGTCAAGAAGATTACAATAGATTAAAG	219
ROP10_Clone.seq	CAAAATGTTGGTTGAAGGCACACCGTCAATTIAGGCCCTGTGGGATACCGCAGGTCAAGAAGATTACAATAGATTAAAG	240
Consensus	caaatgttgggttgaaggcaccacggtcaatttagccctgtgggataccgcaggtcaagaagattacaatagattaaag	
Cucsa.197080.seq	CCATTAAAGCTACAGAGGAGCTGATGTTTCATCCTTGTCTTTTCGTTAGTTAGCCGAGCGAGTTACGAAAACGTACTTAA	299
ROP10_Clone.seq	CCATTAAAGCTACAGAGGAGCTGATGTTTCATCCTTGTCTTTTCGTTAGTTAGCCGAGCGAGTTACGAAAACGTACTTAA	320
Consensus	ccattaagctacagaggagctgatgttttcattccttgccttttcgttagtttagccgagcgagttacgaaaacgtacttaa	
Cucsa.197080.seq	GAAGTGGATTCCGGAGCTTCAACATTATGCACCTGGAGTCCCGGTGGTGTGGTTGGCACCAAATGGATCTTCGAGAGG	379
ROP10_Clone.seq	GAAGTGGATTCCGGAGCTTCAACATTATGCACCTGGAGTCCCGGTGGTGTGGTTGGCACCAAATGGATCTTCGAGAGG	400
Consensus	gaagtggattccggagcttcaacattatgcacctggagtcccggtggtgttggttggcaccaaattggatcttcgagagg	
Cucsa.197080.seq	ACAAATTCATTATTTGGCTGATCATCTGGATTGGTGCCCGTAACCACTTTGCAGGGTGAGGAACCTCCGTAACAGATAGGT	459
ROP10_Clone.seq	ACAAATTCATTATTTGGCTGATCATCTGGATTGGTGCCCGTAACCACTTTGCAGGGTGAGGAACCTCCGTAACAGATAGGT	480
Consensus	acaaattctattttggctgatcatcttgattggtgcccgttaaccactttgcagggtgaggaactccgtaaacagataggt	
Cucsa.197080.seq	GCGACATATTACGTCGAATGCAGTCAAAAACCCAGCAGAATGTGAAATCAGTTTTTGTATGCAGCAATCAAGGTGGTTAT	539
ROP10_Clone.seq	GCGACATATTACGTCGAATGCAGTCAAAAACCCAGCAGAATGTGAAATCAGTTTTTGTATGCAGCAATCAAGGTGGTTAT	560
Consensus	gcgacattattacgtcgaatgcagctcaaaaacccagcagaatgtgaaatcagtttttgatgcagcaatcaaggtggttat	
Cucsa.197080.seq	CAAGCCACCACAGAAACAAAAAGAGAAGAACGGCCACACCGTGGGTGTCTTAAATGTGTCTGTGGAAGAAACCTTA	619
ROP10_Clone.seq	CAAGCCACCACAGAAACAAAAAGAGAAGAACGGCCACACCGTGGGTGTCTTAAATGTGTCTGTGGAAGAAACCTTA	640
Consensus	caagccaccacagaaacaaaaagagaagaacggccacacccggtgggtgtctttaaattgtgtctgtggaagaacacctta	
Cucsa.197080.seq	CGAGGCAAGTGA.....	633
ROP10_Clone.seq	CGAGGCAAGTGA.....TCCATGGTGAAGGAGG	671
Consensus	cgaggcaagtga	

**Figure S2** The cloned nucleotide sequence of *CsROP10* cDNA was compared with the known nucleotide sequences in the cucumber genome database.