Primer	Sequence
1F	ACAACTGTTCGGGTCTGTGG
2F	ACCAGGAGCCTTGTAACAGC
1R	CAACTGTCGAACGTCGGA
3R	TCGTGAGTTCGATGTTGGTG
2R	TGTTGGTGAAATCGGAGGAC
oligo(dT)17 adapter	GACTCGAGTCGACATCGATTTTTTTTTTTTTTTT
adapter	GACTCGAGTCGACATCG
6F	ATGCATTCCCTCTACGGTTTATC
3’-UTR 1R	AGATTCAGCCCTAAAAACACTCT
7F	CACCGAATTCAATGCATTCCCTCTACGGTTT
6R	GCTCTAGATCAATTAACAGAAAGGAATGATATGA
N-6-Myc 1F	CACCGAATTCATTCGGCGATACGGACGAT
N-Myc 2F	CACCGAATTCAGGAAACAACATGACCACGG
CT-Trun 1R	GCTCTAGAGTCACGAGCCGAAAGTCGCG
Y142W sense	CTCACCAATGACCAGACACTATTCTGGTCAGGAATGTATAGCATG
Y142W anti-sense	CATGCTATACATTCCTGACCAGAATAGTGTCTGGTCATTGGTGAG
Y142H sense	CCAATGACCAGACACTATTCCATTCAGGAATGTATAGCATG
Y142H anti-sense	CATGCTATACATTCCTGAATGGAATAGTGTCTGGTCATTGG
R52/53A sense	ATGATGATGCTGGTAGTCGCGTTGCGGCAGCGGACGGAAA
R52/53A anti-sense	TTTCCGTCCGCTGCCGCAACGCGACTACCAGCATCATCAT

Table S1. Sequences of oligonucleotide primers used in this study.

Figure S1. Multiple sequence alignment of the deduced amino acid sequence of SpARC4 with that of 3 ESTs (identified by their accession numbers) from *Paracentrotus lividus.*