**Table S1**

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| --- | --- | --- |
| **Oligonucleotides** | SOURCE | IDENTIFIER |
| Primers for generating pEGFP-AKAP6β by Cold Fusion   |  | | --- | | AKAP6β:  5-atccaccggtcgccaccatGaccaccagccaggccaaaactaaat-3 | | 5-agctcctcgcccttgctcacCCTATGCATGTTACTGTGTCGATT-3 | | pEGFP-N1: | | 5-GACACAGTAACATGCATAGGgtgagcaagggcgaggagctgttca-3 | | 5-tttggcctggctggtggtCatggtggcgaccggtggatcccgg-3 | | This paper | N/A |
| Primers for silencing the siRNA site of AKAP6:   |  | | --- | | 5-AGTaaTgaTTtGgaCcaGgacccagagcctatgctaccc-3 | | 5-CtgGtcCaAAtcAttACTttcttcatgcacactaatgag-3 | | This paper | N/A |
| Primers for generating pGBKT7-AKAP6-SR1 by Cold Fusion:   |  | | --- | | AKAP6-SR1 (585-915):  5-CCCAAGGCCGAGGTTCAGCTCTGGtcgacctgcagcggccgcataa-3 | | 5-CTGAGCCAAAGATCTGGGATCCcaggtcctcctctgagatcagct-3 | | pGBKT7:  5-agctgatctcagaggaggacctgGGATCCCAGATCTTTGGCTCAG-3 | | 5-ttatgcggccgctgcaggtcgaCCAGAGCTGAACCTCGGCCTTGGG-3 | | This paper | N/A |
| Primers for generating pGEX4T1-AKAP6-SR1-3 by Cold Fusion   |  | | --- | | AKAP6-SR1-3 (585-1286):  5-ATCTGGTTCCGCGTGgatcccAgatcTTTGGCTCAGATAGCATCAA-3 | | 5-GTCACGATGCGGCCGCTCGAGtcgaCCACTTGGTAAATGTGTGGG-3  pGEX4T1: | | 5-GCCCACACATTTACCAAGTGGtcgaCTCGAGCGGCCGCATCGTGA-3 | | 5-CTATCTGAGCCAAAgatcTgggatcCACGCGGAACCAGATCCGAT-3 | | This paper | N/A |
| Pimers for generating AKAP6-tdTomato-SR1-Farnesyl by Cold Fusion   |  | | --- | | mCherry-Farnesyl5:  5-TCCGGACTCAGATCTAAG-3  5-CTTGTACAGCTCGTCCATG-3  AKAP6-SR1 (585-915):  5-gcatggacgagctgtacaagTTTGGCTCAGATAGCATCAAATCC-3  5-agcttagatctgagtccggaGAGCTGAACCTCGGCCTTG-3 | | This paper | N/A |
| Primers for generating AKAP6-SR1-mCherry-Farnesyl by Cold Fusion   |  | | --- | | AKAP6-SR1 (585-915):  5˗gtgaacgtcagatccgctagcgctaccggtcgccaccatgCAGATCTTTGGCTCAGATAGCATCAAATCCCCGG-3 | | 5˗ccttgatgatggccatgttatcctcctcgcccttgctcacccgcgatcgcCAGAGCTGAACCTCGGCCTTGGGGC-3  mCherry-Farnesyl5: | | 5-gcgatcgcggGTGAGCAAGGGCGAGGAGGATAACATG -3 | | 5-CATGGTGGCGACCGGTAGCGCTAGC-3 | | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1-3 (585-1286)   |  | | --- | | 5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-3 | | 5-gggcccGTCGACCACTTGGTAAATGTGTGGGCTG-3 | | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1-2 (585-1065)  5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-3  5-gggcccGTCGACacgtgggcccgacccactg-3 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR1 (585-915)  5-gggcccAGATCTTTGGCTCAGATAGCATCAAATCC-3  5-gggcccGTCGACcagagctgaacctcggccttg-3 | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR2 (915-1065)   |  | | --- | | 5-gggcccAGATCTgccacctggaaacacagagag-3 | | 5-gggcccGTCGACacgtgggcccgacccactg-3 | | This paper | N/A |
| Primers to generate pEGFP-AKAP6-SR3 (1065-1286)  5-gggcccAGATCTgcccacgtgacctgctatc-3  5-gggcccGTCGACCACTTGGTAAATGTGTGGGCTG-3 | This paper | N/A |
| Primers to generate mCherry-mNesprin-1α   |  | | --- | | gggcccgaattcATGGTGGTGGCAGAGGACTTGC gggcccGtcgaCTCAGAGTGGAGGAGGACCGTT | | This paper | N/A |
| Primers to generate pCMV-Tag2b-hAKAP9-PACT   |  | | --- | | 5-gggcccgaattcGCCAACATTGAAGCCATCATTG-3 | | 5-gggcccgtcgacCTTCTCATGCCAGCATGAAATTG-3 | | This paper | N/A |
| Primers to generate pCMV-Tag2b-hPcnt-PACT   |  | | --- | | 5-gggcccgaattcGAAAGGTCTGCTTGGAAGC-3 | | 5-gggcccgtcgacCGGGTGGCAGGATTTCTTTGAAG-3 | | This paper | N/A |
| Primers to generate pEGFP-AKAP9-AK1b   |  | | --- | | 5-GGGCCCAGATCTTGATGGAAAGTGAGTTGGCTGGGAAG-3 | | 5-GGGCCCGTCGACCATTTCCTCCATCTGTGCCATGTGTTG-3 | | This paper | N/A |