

Table S3. Mascot score and peptide match of the identified proteins from *In vivo* Flag-TSC22 (86) binding assay (HEK293, whole cell extracts)

| Protein Names | Mascot score | Peptide match |
|---|--------------|---------------|
| Histone H1.2 | 62 | 6 |
| 40S ribosomal protein S6 | 129 | 4 |
| Keratin, type II cytoskeletal 1 | 165 | 9 |
| Keratin, type I cytoskeletal 9 | 147 | 7 |
| Actin, cytoplasmic 1 | 318 | 27 |
| Glyceraldehyde-3-phosphate dehydrogenase | 36 | 2 |
| Ubiquitin carboxyl-terminal hydrolase 47 | 27 | 2 |
| Dermcidin | 35 | 2 |
| Protein tyrosine phosphatase receptor type C-associated protein | 26 | 5 |
| 40S ribosomal protein S2 | 30 | 1 |

LC/MS/MS data were analyzed using Mascot software against SwissProt database. Identified proteins with the score higher than 13 were listed on the Table S3.