

TPST1-f2

5'-GGGG CTCGAG ATGGTTGGAAAGCTGAAG-3'

XhoI

TPST1-r2

5'-GGGG CTGCAG CTCCACTTGCTCAGTC-3'

PstI

TPST2-f2

5'-GGGG CTCGAG ATGCGCCTGTCGGTGC-3'

XhoI

TPST2-r2

5'-GGGG CTGCAG CGAGCTTCCTAAGTGG-3'

PstI

→ subcloning into pGEM-T-Easy then into peGFP-N1

## Molecular cloning

The TPST1 and TPST2 sequences were obtained from human EST from RZPD (Deutsches Ressourcenzentrum für Genomforschung, Berlin, DE) (GenBank Accession number NM\_003596 and AF061254, respectively). TPSTs-GFP were obtained by PCR using the following primers: plus strand 5'-GGGGCTCGAGATGGTTGGAAAGCTGAAG-3' and minus strand 5'-GGGGCTGCAGCTCCACTTGCTCAGTC-3' for TPST1; and plus strand 5'-GGGGCTCGAGATGCGCCTGTCGGTGC-3' and minus strand 5'-GGGGCTGCAGCGAGCTTCCTAAGTGG-3' for TPST2; *XhoI* and *PstI* restriction sites are underlined. PCR products were purified and ligated into pGEM-T-Easy vector (Promega) according to the manufacturer's instructions. Positive clones were digested with *XhoI* and *PstI* and obtained fragments were inserted in the corresponding sites of a peGFP-N1 vector (Clontech). All constructs were verified by double-strand sequencing (MWG Biotech). Two differences to the published sequence of TPST2 were identified (C276T and T1002C), neither of which affects the protein sequence.

