

AAATAAAATAATTTCAATTCATAAAATAAATATTATTACCATTAATAAATTTTTTAAAAAAAAAAAAAAAA 70
 AAAAAATATGTCAATTAATAAAAGTTTGTGTGTTATTGGAGTTGGTAAAGGTATTGGATTTGGAGTTGCAG 140
 M S I K K V C C V I G V G K G I G F G V A
 AGAAATTTGCAAAAGAAGGATTTTCAGTTGCATTGGTTAGTAGAAATAAAGAGAAATTAGAACCATTTGT 210
E K F A K E G F S V A L V S R N K E K L E P F V
 TCAAAC TATTCAAAAAAGTTTGGTGATACAGGATCATTTCAGTTGAAATGGATGCAACTAATGCAGAA 280
 Q T I Q K K F G D T G S F A V E M D A T N A E
 TCAGTTGAAAAGGGATTCAAAGAGATTAGATCAAAAATCAATGGTAGACCAATCGATGTATTAATCTATA 350
 S V E K G F K E I R S K I N G R P I D V L I Y
 ATGCATCAGCATCATTCAAGGCAGTTTCAGTCGAGAAAACCGATGTAATGATTTTCAAATGCTTGGAA 420
 N A S A S F K A V S V E K T D V N D F Q N A W K
 AGCAAGTTGTTTGGGTGCATTCTTAACAAGTCAACAAGTTTTAAGTGAAATGTATGGACAACAAAATGGT 490
 A S C L G A F L T S Q Q V L S E M Y G Q Q N G
 ACAATCATTTTCACTGGTGCAACTGCTTCATTAAGAGGTGGCGCTTCGTTTGGTTTATTTGCTTCAAGTA 560
 T I I F T G A T A S L R G G A S F G L F A S S
 AATTTGCATTACGTGGGTTTGCTCAATCATTAGCTCGTGAATCTTATCCAAAGGGTGTCCATGTTTCTCA 630
 K F A L R G F A Q S L A R E S Y P K G V H V S H
 TGTCATCATTGATGGTTATGTTGATATCAATAGAGATTATTCTTCAAGACCAAAGGAAAATTGGATTGAT 700
 V I I D G Y V D I N R D Y S S R P K E N W I D
 CCTGACGCTATAGCTTCAACTTATTTCTCTCTTTATTCTCAAGATAAATCTGCTTGGACTCATGAAATTG 770
P D A I A S T Y F S L Y S Q D K S A W T H E I
 ATATTAGACCACATACTGAAAAATGGTAAAAATAATTTTAAATTTAAAAATAAAAAATAAAAAATAAATTA 840
 D I R P H T E K W
 TTCTTTTCTAAATTTGTAAATTCAAAAAA 870

Figure 14. TF2 cDNA and derived amino acid sequence.

DNA sequence obtained from the TF2 cDNA clone SSL494 is shown here.

An open reading frame starting at position +77 (ATG) is observed. The derived amino acid sequence for this reading frame has been indicated below the nucleotide sequence.

Underlined sequences indicate the peptide sequences obtained from Mass Spectroscopy that showed a 100% identity to the derived amino acid sequence from the cDNA clone.

This confirmed that SSL494 contained sequence encoding TF2 protein. A total of 10 peptide sequences were obtained by Mass spectroscopy. The sequences of these peptides

- are: 1) AQSSXAR 2) GFGVAEK 3) VSAVSAAR 4) SFGXFAFR 5) VNDTSSNAVSK
- 6) NEPFVDXNQK 7) DVXXXXYDASASFK 8) DVXXXXYNASASFK (probably the same as #7)
- 9) FGSFAVEMD 10) DPDAXASTYFSXY. X denotes I or L.