

>t75-mSS

MGTSVIPNRL TPTLTTHPSR RRNDHITTRT SSLKCHLSPS SGDNND SFNS SLLKTISTTV- 60
AVSSAAASAF FLTGSLHSPF PNFSGLNAAA GGGAGGGGGG SSSSGGGGGG WFNGDEGSFW-120
SRILSPARAI ADEPKSCMQV WPPIGKKKFE TLSYLPPLTR DQLLKEVEYL LRKGVPCLE-180
FELEKGFVYR EHNKSPGYD GRYWTMWKLP MFGTTDASQV LKELDEVVAA YPQAFVRIIG-240
FDNVRQVQCI SFIAHTPESY *LEHHHHHH*-278

>t75-EGFP

MRTSVIPNRL TPTLTTHPSR RRNDHITTRT SSLKCHLSPS SGDNND SFNS SLLKTISTTV- 60
AVSSAAASAF FLTGSLHSPF PNFSGLNAAA GGGAGGGGGG SSSSGGGGGG WFNGDEGSFW-120
SRILSPARAI ADEPKSEDWD SRSAAAAAAA *AAAGPVATMV* SKGEELFTGV VPILVELDGD-180
VNGHKFSVSG EGECDATYVK LTLKFICTTG KLPVPWPTLV TTLTYGVQCF SRYPDHMKQH-240
DFFKSAMPEG YVQERTIFFK DDGNYKTRAE VKFEGDTLVN RIELKGIDFK EDGNILGHKL-300
EYNYNSHNVI IMADKQKNGI KVNFKIRHNI EDGSVQLADH YQNTPIGDG PVLLPDNHYL-360
STQSALSNDP NEKRDHMLL EFVTAAGITL *GMDELYK*-397

S7 Fig. The primary sequences of t75-mSS and t75-EGFP variants.

In both sequences, the N-terminal 35 residues corresponding to n75 are in the shaded box. In the t75-mSS sequence, residues deleted in t75_{Δ86-103} are double-underlined, the N-terminal five residues of mature psToc75 are underlined, and C-terminal six His residues derived from the pET23 vector are italicized. In the t75-EGFP sequence, the residues replaced with tri-Ala in the t75_{GGA}-EGFP are double-underlined, the N-terminal 10 residues of mature Toc75 are underlined, and the 17 residues derived from a linker N terminus to EGFP in pB-CG are italicized.