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(54) **Title**: ANTICANCER FUSION PROTEIN

(57) **Abstract**: A fusion protein comprising domain (a) which is a functional fragment of hTRAIL protein sequence, which fragment begins with an amino acid at a position not lower than hTRAIL95, or a homolog of said functional fragment having at least 70% sequence identity, preferably 85% identity and ending with the amino acid hTRAIL281; and domain (b) which is a sequence of an effector peptide inhibiting protein synthesis, wherein the sequence of domain (b) is attached at the C-terminus or N-terminus of domain (a). The fusion protein can be used for the treatment of cancer diseases.

WO 2013/080147 A2