The sequence presented was obtained by screening a cDNA library constructed in lambda gt10 from human mammary carcinoma with probes derived from cDNA of the translationally controlled, growth-related mouse tumor protein p23 (1,2). It has 86% similarity to the mouse cDNA sequence and encodes a protein with 96% similarity to the mouse tumor protein. The 3′-primed noncoding region of the appropriate mRNA has three putative translation inhibitory elements (3), which are underlined.

1 CCCCCCGAGCGCGCTCCGGCTGCACCGGCATCGATTATCTACGCGGACCTACGAG
MIYRDILIS
61 CTAGCGCGTCGTCGTCTCCCGACTCATGATTATCTACCGGGAGCTGCTAAGCTTACG
HDEMFSDIYKIREIADGLCL
121 CACAGTAGATGTTTCTCCGACATCTACAAGAGATCGGGAGCTGCTAAGCTTACG
HIIYROLIS
181 GAGGCTGGAGGGAAGATGTGACTGAGACAGAGGATGCTGCCTCGCTATGG
EVEGKMKVSLERIGDGG
241 TGAAATGCTCCGCTGCTGAGGCCGAGGGCGAAGGTACGAAAGTCACATCTGCT
GANASAEHEGPEEGGETESVTIG
301 TGTCGATATTGTCAATGAACATCACCCTCGCAGGAAACAGTCTCAGACAA
VDIVMNHLQETSFTAKEYK
361 GAAGTACATCAAAGATTACATCAATACAATCAAGAGGAAACTTGAAGACAGACAGACA
K Y I K D Y M K S I K G K L E EEQRE
421 AAGAAGGACACTTTTATACGGGGCTCGAGACAAAAATACGACATCTTCTATTT
R V K P F MTGAAEIQIKHILANF
481 CAAAACCTACAGGTTCTTATGGAACACCTGAACATCGGTGATCGTCTATT
KNQOFGenMNPNPDGMVALL
541 GGACTACTGAGGAGATGCGTCGACTACATTTTGAGTAAGGATGTCTAGGATGCTG
D Y R E D G V T P Y M I FFKDGLMEM
601 GGAATAATGTTAACAATGTCGCAATTATTGGATCTCATCCTGTCATCAACTGCG
EKCE
661 TTCTGCTTGTCAACAAACAACACAGGACTAAAGACACATTTGGGATGCTCATCTTGA
721 GCTTTCAATTATTGGACTGTTATTTTTGGATTGGAGGCGATTGTTTTTAAAGAAAAAC
781 ATGTACATGGGTGTCTAATTTATATATGTCATACAATTTGAGGAAAGAAAAAA

References:

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