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The cDNA sequence of a human placental α-actinin

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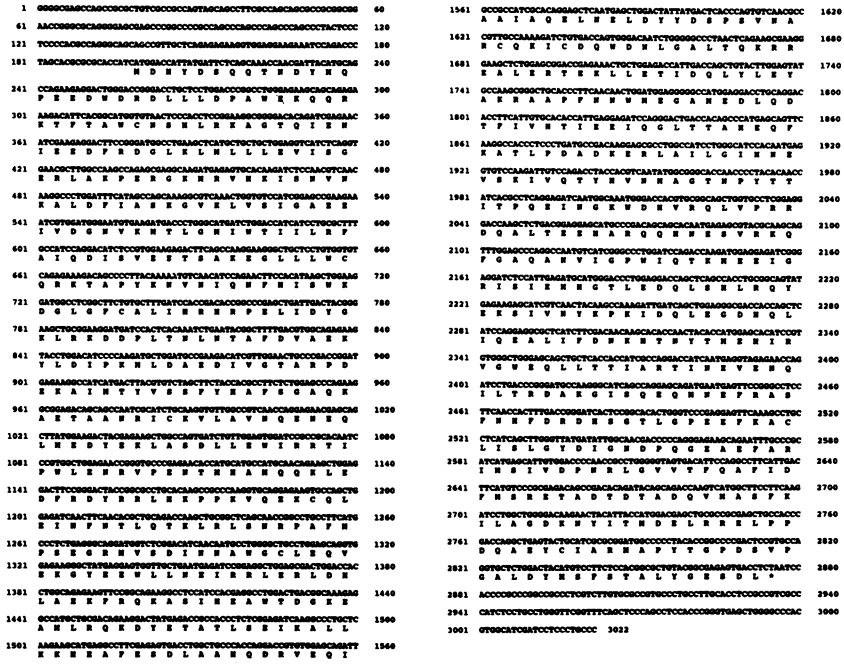
A human placental λgt11 cDNA library (Clontech) was screened using a cDNA probe encoding the entire chick smooth muscle α-actinin isoform , (1) .A single clone (P6) was isolated and sequenced on both strands in Bluescript (2).This cDNA was found to span the entire coding sequence : encoding a protein of 105,365 Daltons .The α-actinin encoded by P6 appears to be a non-muscle isoform , similar to that isolated from chicken fibroblasts by Arimura et al , 1988 (3) .These cDNA's display a striking level of identity across the transcribed regions : 85 and 97 % identity at the DNA and protein levels respectively .



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