

**The nucleotide sequence of cDNA for a *Drosophila* ribosomal protein with homology to rat ribosomal protein S26**

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Submitted December 6, 1988

Accession no. X13265

We report here the nucleotide sequence of cDNA for a *Drosophila* ribosomal protein. The amino acid sequence (114 amino acids) of the ribosomal protein deduced from the nucleotide sequence is highly homologous (77.9 % identity) to that of rat ribosomal protein S26 reported by Kuwano *et al.* (1). The molecular weight (13,266) and amino acid composition (high contents of basic amino acids) of the ribosomal protein are quite different from those of *Drosophila* ribosomal protein S26 reported by Chooi (2). Therefore, we speculate that the cDNA reported here is the cDNA for *Drosophila* ribosomal protein S31 reported by Chooi *et al.* (3).

**Nucleotide sequence and deduced amino acid sequence**

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GTGAACACACGCGGATTTCGTCGGCGGATTTTGAAATTGATAAATAAGCCGCCAAGATGACCAAGAAGCCCGTAACGG      80
                                     M T K K R R N G
AGGACGCCAACAAAGCAACAATCGCGGCCATGTGAAGCCCGTGCCTGCACCAACTGCGCCCGTGCCTGCCAAGGACAAGG    160
G R N K H N R G H V K P V R C T N C A R C V P K D K A
CAATCAAGAAGTTTCGTCATCCGCAACATCGTGGAGGCTGCCGCCGTGGCGGACATCAGGAGGCCAGCATCTGGGACTCG    240
I K K F V I R N I V E A A A V R D I T E A S I W D S
TACGTGCTGCCCAAGCTCTATGCGAAGCTCCACTACTGCGTGTCTCTGCGCAATCCACTCCAAGGTGGTGGCAACCGTTC    320
Y V L P K L Y A K L H Y C V S C A I H S K V V R N R S
GCGCGAGGCCCGCCGCATCCGCACTCCGCGCCACTGCGTTCCTCCCAAGGACATGCCCCGCAACAACAGCAACAGGAAGT    400
R E A R R I R T P P L R T S F P K D M A R N N Q N R K
AGAGGTCTCGTCCAGCCGGAGGAGGAGGAGCACTGGGTGCACCACCTGACATCTCCATATGGAGTCTACCAATCTAGCCGG    480
ACTCGGCCCCAGTGCCTCCAGCTGGCGTGGAGGAATCGCCAAGATAAGCAGACGAAATATATGCATCCAGTTCTTTT
TTAATTTCAAAAAAAAAAAAA
    
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**Amino acid sequence homology**

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                1                20                40                60
Drosophila  MTKKRRNGGRNKHNRGHVPRVCTNCARCVPKDKAIKKFVIRNIVEEAAVRDITFEASVD
            ***** * * * * * * * * * * * * * * * * * * * * * * * * * * * *
Rat S26     MTKKRRNNGRAKKGRGHVQPIRCTNCARCVPKDKAIKKFVIRNIVEEAAVRDISEASVFD

                80                100
            SYVLPKLYAKLHYCVSCAIHSKVVRNRSREARRIRTPPLRSFPKDMARNQNRK
            ***** * * * * * * * * * * * * * * * * * * * * * * * *
            AYVLPKLYVKLHYCVSCAIHSKVVRNRSREARKDRTPPPRFRPAGAAPRPPPKPM
    
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**Acknowledgement** This work was supported in part by a Grant-in-Aid for Scientific Research from the Ministry of Education, Science and Culture of Japan

**References**

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3. Chooi, W.Y., Sabatini, L.M., Macklin, M. and Fraser, D. (1980) *Biochemistry* 19, 1425-1433.