

Sequence of the cDNA encoding rat furin, a possible propeptide-processing endoprotease

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The human gene *fur* lies immediately upstream of the *fes/fps* oncogene (1). The sequence of the *fur* gene product (furin) (1, 2) was found to show a striking homology to the subtilisin-type serine protease Kex2 which is known as a prohormone-processing endoprotease (3, 4). We isolated and sequenced a cDNA clone of rat furin. It contains an open reading frame of 2379 nucleotides that encode a protein of 793 amino acids, one residue less than that of human furin (2). Rat furin has 93.7% identity at the amino acid level with human furin.

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V K W L E Q Q V A K Q R A K R D V Y Q E 780
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A C L G E P N H I S R L E H V Q A R L T 492

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F M T T H S W D E D P S G E N V L E I E 552
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