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cDNA and Cell Line for L-Proline Transporter

Application

Cloning and studying the L-proline transporter.

Technical Summary

This invention is the first cDNA clone encoding a L-proline transporter. The clone makes it possible to perform high-level structural analysis of L-proline uptake. The clone permits the generation of antibodies capable of specifically recognizing L-proline in the pathways in which it is expressed. The precise role of L-proline as a neurotransmitter is the subject of current investigation. Certain results suggest that L-proline plays a role in interacting with glutamatergic neurons, possibly as an inhibitor. In the short term, the cDNA should prove a valuable tool in elucidating the role of L-proline. As the role of L-proline is better defined, therapeutic applications for the cDNA are likely to emerge.

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Patent Information

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Utility(parent)	United States	07/879,617	5,580,775	May 1, 1992	Dec 3, 1996	Dec 3, 2013

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