



## Monoamine oxidase A

By Frederic P. Miller

Alphascript Publishing. Taschenbuch. Book Condition: Neu. Neuware - Monoamine oxidase A, also known as MAOA, is an enzyme which in humans is encoded by the MAOA gene. Monoamine oxidase A is an isozyme of monoamine oxidase. It preferentially deaminates norepinephrine, epinephrine, serotonin, and dopamine. It is inhibited by clorgiline and befloxatone. This gene encodes monoamine oxidase A, an enzyme that degrades amine neurotransmitters, such as dopamine, norepinephrine, and serotonin. The protein localizes to the outer mitochondrial membrane. The gene is adjacent to a related gene on the opposite strand of chromosome X. Mutation in this gene results in monoamine oxidase deficiency, or Brunner syndrome. An association between a rare 2 repeat of the VTNR region of the gene and an increase in the likelihood of committing serious crime or violence has been found. 100 pp. Englisch.



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