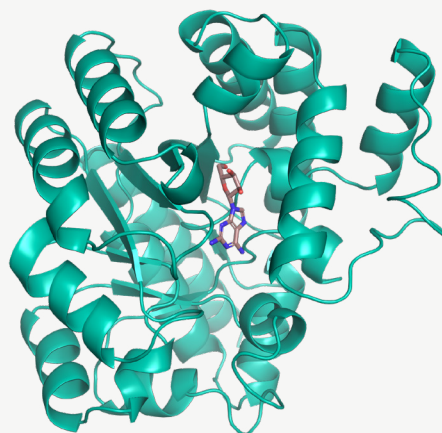


Adenosine Deaminases

(ADAs)

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Product Overview

Adenosine deaminase (ADA) catalyzes the irreversible deamination of adenosine to inosine, releasing ammonia as a by-product. This reaction plays a key role in purine metabolism and enables precise adenosine-to-inosine (A-to-I) conversions for nucleoside modification, pharmaceutical synthesis, and diagnostic applications.

Powered by our proprietary **ZymeLeap™ platform**, our engineered ADA variants deliver high selectivity, catalytic efficiency, and operational stability, outperforming chemical deamination methods. Designed for integration into continuous flow, diagnostic, and therapeutic systems, they enable precise A-to-I conversions under mild processing conditions while supporting efficient and scalable bioprocessing. Their versatility extends to nucleoside derivative synthesis, A-to-I editing technologies, diagnostic assay development, and biosensor applications.

Product Specifications

Product Name	Adenosine Deaminase
Applications	Biocatalysis, Biomanufacturing
Form	Freeze-dried powder
Storage	-20°C

Explore our Enzyme Portfolio

Discover our range of specialised enzymes for research and industrial applications. Get in touch today to find the right solution for your project.

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