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(54) Title: ENGINEERED ACETATE KINASE VARIANT ENZYMES

(57) Abstract: The present invention provides engineered acetate kinase (AcK) enzymes, polypeptides having AcK activity, and polynucleotides encoding these enzymes, as well as vectors and host cells comprising these polynucleotides and polypeptides. Methods for producing AcK enzymes are also provided. The present invention further provides compositions comprising the AcK enzymes and methods of using the engineered AcK enzymes. The present invention finds particular use in the production of pharmaceutical compounds.

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