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(54) Title: ENGINEERED URIDINE PHOSPHORYLASE VARIANT ENZYMES

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



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