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STEREOSELECTIVE REDUCTIVE AMINATION OF KETONES

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Abstract of the Disclosure

Processes for stereoselective enzymatic conversion of certain keto
carboxylic acid derivatives to form the corresponding alkylamino acid compounds are
described. The invention also concerns an engineered yeast host cell containing
10 recombinant nucleic acid capable of expressing a phenylalanine dehydrogenase, as
well as an engineered host cell containing recombinant nucleic acid capable of
expressing a phenylalanine dehydrogenase enzyme and nucleic acid capable of
expressing a formate dehydrogenase enzyme.