

Polypeptides with Lipase Activity and Uses Thereof

ABSTRACT

- 5 Described are methods of using a lipase for hydrolysis and esterification. In a first method of producing a medium chain fatty acid by hydrolysis, the method comprises providing a polypeptide with at least 90% degree of identity to SEQ ID No. 3, and contacting the polypeptide with a medium chain fatty acid ester and water to produce the medium chain fatty acid. In a second method of forming an ester, the method comprises providing a
- 10 polypeptide with at least 90% degree of identity to SEQ ID No. 3; and contacting the polypeptide with a long chain fatty acid, an alcohol, and water to form the ester of the long chain fatty acid and the alcohol.

(Figure 1B)