Abstract

The present disclosure provides a method for preparing Brazzein or a mutant thereof, comprising: 1) constructing an expression vector, the expression vector comprising a coding sequence of the Brazzein or the mutant thereof and a coding sequence of a leader peptide, wherein the leader peptide is derived from *Rhizopus oryzae* lipase; and 2) introducing the expression vector into a host cell. The present disclosure further provides Brazzein or a mutant thereof prepared by the method. The sweetness of the Brazzein or the mutant thereof is significantly higher than that of Brazzein prepared in the prior art, and the expressed protein has no obvious sweetness delay.