

[ABSTRACT]

The present application relates to a novel uridine diphosphate (UDP)–glycosyltransferase B (UGT-B), a polynucleotide encoding the uridine diphosphate (UDP)–glycosyltransferase B (UGT-B), an expression vector containing the polynucleotide, a microorganism comprising the uridine diphosphate (UDP)–glycosyltransferase B (UGT-B) or a polynucleotide encoding the uridine diphosphate (UDP)–glycosyltransferase B (UGT-B), and a method for producing rebaudioside D and rebaudioside M using the microorganism.