

ENZYME ASSOCIATED WITH EQUOL SYNTHESIS

Abstract

5 An object of the present invention is to provide
enzymes associated with equol synthesis, genes coding such
enzymes, and a process for producing equol and its
intermediates using the enzymes and genes.

10 The present invention provides a dihydrodaidzein
synthesizing enzyme, tetrahydrodaidzein synthesizing
enzyme, equol synthesizing enzyme, and genes coding these
enzymes. The present invention also provides a process
for synthesizing dihydrodaidzein, tetrahydrodaidzein,
and/or equol using these enzymes.

15 (Fig.25)