

ABSTRACT**ENZYMES AND APPLICATIONS THEREOF**

There is provided SHC/HAC derivatives, amino acid sequences comprising the SHC/HAC derivatives, nucleotide sequences encoding the SHC/HAC derivatives, vectors comprising nucleotide sequences encoding the SHC/HAC derivatives, recombinant host cells comprising nucleotide sequences encoding the SHC/HAC derivatives and applications of the recombinant host cells comprising either SHC/HAC derivatives or WT SHC/HAC enzymes in methods to prepare (-)-Ambrox and SHC/HAC enzymes in methods to prepare (-)-Ambrox.

Fig. 7b