Ac-CoA

$$H_3$$
C

 $S$ 
 $COASH$ 
 $COASH$ 

Enz:HMG-CoA

CoA =

OH **≤** 

OH3C OH O

HMG-CoA

Acetylation/Deacetylation

CYS111-S

H<sup>′</sup>

GLU79

HIS233  

$$H_3C$$
  $S$  — CoA  
Hydrolysis/Dehydration  
 $O_{H_3C} O_{H_3C} O_{H_$ 

CYS111-S

►H:GLU79

CoA <del>←</del>