



# Recombinant *Phaffia rhodozyma* Bifunctional lycopene cyclase/phytoene synthase (crtYB)

<b>Product Code</b>	CSB-CF768784EUI
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	Q7Z859
<b>Product Type</b>	Transmembrane Protein
<b>Immunogen Species</b>	<i>Phaffia rhodozyma</i> (Yeast) ( <i>Xanthophyllomyces dendrorhous</i> )
<b>Sequence</b>	<p>MTALAYYQIHLIYTLPIGLLLGLLTSPILTKFDIYKISILVFIAFSATTPWDSWIIRNG  A  WTPSAESGQGVFGTFLDVPYEEYAFFVIQTVITGLVYVLATRHLPLSLALPKT  RSSALS  LALKALIPLPIIYLFTAHPSPSPDPLVTDHYFYMRALSLLITPPTMLLAALSGEYAF  DWK  SGRAKSTIAAIMIPTVYLIWVDYVAVGQDSWSINDEKIVGWRLGGVLPIDEEAMFF  LLTNL  MIVLGLSACDHTQALYLLHGRTIYGNKKMPSSFPLITPPVLSLFFSSRPYSSQPK  RDLEL  AVKLEEKSRFFVASAGFPSEVRERLVGLYAFCRVTDDLIDSPEVSSNPHTI  DMVSDF  LTLFGPPLHPSQPKILSSPLLPPSHPSRPTGMYPLPPPPSLSPAELVQFLTE  RVPVQY  HFAFRLLAKLQGLIPRYPLDELLRGYTTDLIFPLSTEAVQARKTPIETTADLLDYG  LCVA  GSVAELLVYVSWASAPSQVPATIEEREAVLVASREMGALQLVNIARDIKGDAT  EGRFYL  PLSFFGLRDESKLAIPTDWTEPRPQDFDKLLSLSPSSTLPSSNASESFRFEWKT  YSLPLV  AYAEDLAKHSYKIDRLPTEVQAGMRAACASYLLIGREIKVWVKGDVGERRTV  AGWRRVR KVLSVVMMSGWEGQ</p>
<b>Source</b>	in vitro E.coli expression system
<b>Target Names</b>	crtYB
<b>Protein Names</b>	<p>Recommended name: Bifunctional lycopene cyclase/phytoene synthase  Including the following 2 domains: Lycopene beta-cyclase EC= 5.5.1.19  Alternative name(s): Lycopene cyclase Phytoene synthase EC= 2.5.1.32</p>
<b>Expression Region</b>	1-673
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients,



storage temperature and the stability of the protein itself.  
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.