



# Recombinant *Saccharomyces cerevisiae* Saccharopine dehydrogenase [NADP (+), L- glutamate-forming]

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| <b>Product Code</b>      | CSB-MP340042SVG  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | P38999   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | <i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MGKNVLLLGS GFVAQPVIDT LAANDDINVT VACRTLANAQ ALAKPSGSKA<br>ISLDVTDDSA LDKVLADNDV VISLIPYTFH PNVVKS AIRT KTDVVTSSYI<br>SPALRELEPE IVKAGITVMN EIGLDPGIDH LYAVKTIDEV HRAGGKLSF<br>LSYCGGLPAP ESDSNPLGYK FSWSSRGVLL ALRNSAKYWK DGKIETVSSE<br>DLMATAKPYF IYPGYAFVCY PNRDSTLFKD LYHIPEAETV IRGTLRYQGF<br>PEFVKALVDM GMLKDDANEI FSKPIAWNEA LKQYLGA KST SKEDLIASID<br>SKATWKDDED RERILSGFAW LGLFSDAKIT PRGNALDTLC ARLEELMQYE<br>DNERDMVVLQ HKFGIEWADG TTETRTSTLV DYGKVG GYSS MAATVGY PVA<br>IATK FVLDGT IKGPGLLAPY SPEINDPIMK ELKDKYGIYL KEKTVA |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | LYS9   |
| <b>Protein Names</b>     | Recommended name: Saccharopine dehydrogenase [NADP(+), L-glutamate-forming] EC= 1.5.1.10 Alternative name(s): Saccharopine reductase   |
| <b>Expression Region</b> | 1-446  |
| <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>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <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.<br>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.