



# Recombinant *Saccharomyces cerevisiae* Fumarate reductase (YEL047C)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP341342SVG   |
| <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>       | P32614  |
| <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>          | MSLSPVVVIG TGLAGLAAAN ELVNKYNIPV TILEKASSIG GNSIKASSGI<br>NGACTETQRH FHIEDSPRLF EDDTIKSAKG KGVQELMAKL ANDSPLAIEW<br>LKNEFDLKD LLAQLGGHSV ARTHRSSGKL PPGFEIVSAL SNNLKKLAET<br>KPELVKINLD SKVVDIHEKD GSISAVVYED KNGEKHMVSA NDVVFCSSGF<br>GFSKEMLKEY APELVNLPTT NGQQTTGDGQ RLLQKLGADL IDMDQIQVHP<br>TGFIDPNDRS SSWKFLAAES LRGLGGILLN PITGRRFVNE LTTRDVVTAA<br>IQKVCPQEDN RALLVMGEKM YTDLKNLDF YMFKKLVQKL TLSQVVSEYN<br>LPITVAQLCE ELQTYSSFTT KADPLGRTVI LNEFGSDVTP ETVVFIGEVT<br>PVVHFTMGGA RINVKAQVIG KNDERLLKGL YAAGEVSSGV HGANRLGGSS<br>LLECVMFGRT AAESIANDRK |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | FRD1  |
| <b>Protein Names</b>     | Recommended name: Fumarate reductase Alternative name(s): FAD-dependent oxidoreductase FRDS NADH EC= 1.3.1.6 NADH-dependent fumarate reductase  |
| <b>Expression Region</b> | 1-470   |
| <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.