

Recombinant *Saccharomyces Cerevisiae* PYC1 Protein (18-470 aa), His-tagged

SPECIFICATION

Cat.No.	PYC1-878S
Species	<i>Saccharomyces cerevisiae</i>
Product Name	Recombinant <i>Saccharomyces Cerevisiae</i> PYC1 Protein (18-470 aa), His-tagged
Product Overview	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) (Baker's yeast) PYC1 Protein (18-470 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Description	Pyruvate carboxylase catalyzes a 2-step reaction, involving the ATP-dependent carboxylation of the covalently attached biotin in the first step and the transfer of the carboxyl group to pyruvate in the second.
Source	E. coli
Tag	His
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.0 kDa
AA Sequence	EKNKILVANRGEIPIRIFRTAHELMSMQTVAIYSHEDRLSTHKQKADEAYVIGEVGQYTP VGAYLAIDEIISIAQKHQVDFIHPGYGFLSENSEFADKVVKAGITWIGPPAEVIDSVGDK VSARNLAAKANVPTVPGTPGPIETVEEALDFVNEYGYPVIIKAAFGGGGRGMRVVRE GDDVADAFQRATSEARTAFGNGTFCVERFLDKPKHIEVQLLADNHGNNVHLFERDCS VQRRHQKVVEVAPAKTLPREVRDAILTDAVKLAKECGYRNAGTAEFLVDNQNRHYFI EINPRIQVEHTITEEITGIDIVAAQIQIAAGASLPQLGLFQDKITTRGFIAIQCRITTEDPAK NFQPDTGRIEVYRSAGGNGVRLDGGNAYAGTIISPHYDSMLVKCSCSGSTYEIVRRK MIRALIEFRIRGVKTNIPFLLTLLTNPVFIEGTYWTTFIDDTTPQ
Purity	> 90% as determined by SDS-PAGE.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Recombinant *Saccharomyces Cerevisiae* PYC1 Protein (18-470 aa), His-tagged

UniProt ID	P11154
Protein length	18-470 aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
Sequence	EKNKILVANRGEIPIRIFRTAHELSTHMQTVAIYSHEDRLSTHKQKADEAYVIGEVGQYTP VGAYLAIDEIISIAQKHQVDFIHPGYGFLSENSEFADKVVKAGITWIGPPAEVIDSVGDK VSARNLAAKANVPTVPGTPGPIETVEEALDFVNEYGYPVIIKAAFGGGGRGMRVVRE GDDVADAFQRATSEARTAFGNGTCFVERFLDKPKHIEVQLLADNHGNNVHHLFERDCS VQRRHQKVVEVAPAKTLPREVRDAILTDAVKLAKECGYRNAGTAEFLVDNQNRHYFI EINPRIQVEHTITEEITGIDIVAAQIQIAAGASLPQLGLFQDKITTRGFQAIQCRITTEDPAK NFQPDTGRIEVYRSAGGNGVRLDGGNAYAGTIISPHYDSMLVKCSCSGSTYEIVRRK MIRALIEFRIRGVKTNIPFLLTLLTNPVFIETGYWTTFIDDTTPQ