

# Recombinant *Saccharomyces cerevisiae* Pyruvate carboxylase 1(PYC1)

Catalog No: #AP72889

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP72889-1 20ug #AP72889-2 100ug #AP72889-3 1mg

## Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> Pyruvate carboxylase 1(PYC1)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:18-470aaSequence Info:Partial
Other Names	Pyruvic carboxylase 1 ;PCB 1
Accession No.	P11154
Uniprot	P11154
GeneID	852818;
Calculated MW	52 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EKNKILVANRGEIPIRIFRTAHELSMQTVAIYSHEDRLSTHKQKADEAYVIGEVGQYTPVGAYLAIDEIISIAQKHQ VDFIHPGYGFLSENSEFADKVVKAGITWIGPPAEVIDSVGDKVSARNLAAKANVPTVPGTGPPIETVEEALDFV NEYGYPVIIKAAFGGGGGRGMRVVREGDDVADAFQRATSEARTAFGNGTCFVERFLDKPKHIEVQLLADNHGN VVHLFERDCSVQRRHQKVVEVAPAKTLPREVRDAILTDAVKLAKECGYRNAGTAEFLVDNQNRHYFIEINPRIQ VEHTITEEITGIDIVAAQIQIAAGASLPQLGLFQDKITTRGFAIQCRITTEDPAKNFQPDTRIEVYRSAGGNGVRL DGGNAYAGTIISPHYDSMLVKCSCSGSTYEIVRRKMIRALIEFRIRGVKTNIPFLLTLLNPNVFIGTYWTFIDDT PQ
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

Sequence and domain structure of yeast pyruvate carboxylase.Lim F., Morris C.P., Occhiodoro F., Wallace J.C.J. Biol. Chem. 263:11493-11497(1988)Research Topic:Others

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Note: This product is for in vitro research use only