

Recombinant *Saccharomyces cerevisiae* Pyruvate carboxylase 1(PYC1) ,partial

Catalog No: #AP70995

Package Size: #AP70995-1 20ug #AP70995-2 100ug #AP70995-3 1mg

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Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> Pyruvate carboxylase 1(PYC1) ,partial
Host Species	E.coli
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
Calculated MW	54 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EKNKILVANRGEIPIRIFRTAHELSMQTVAIYSHEDRLSTHKQKADEAYVIGEVGQYTPVGAYLAIDEIISIAQKHQ VDFIHPGYGFLSENSEFADKVVKAGITWIGPPAEVIDSVGDKVSARNLAAKANVPTVPGTPGPIETVEEALDFV NEYGYPVIIKAAFGGGGRGMRVVREGDDVADAFQRATSEARTAFGNGTCFVERFLDKPKHIEVQLLADNHGN VVHLFERDCSVQRRHQKVVEVAPAKTLPREVRDAILTDAVKLAKECGYRNAGTAEFLVDNQNRHYFIEINPRIQ VEHTITEITGIDIVAAQIQIAAGASLPQLGLFQDKITTRGFAIQCRITTEDPAKNFQPDTRGRIEVYRSAGGNGVRL DGGNAYAGTIISPHYDSMLVKSCSCSGSTYEIVRRKMIRALIEFRIRGVKTNPFLLTLLTNPVFIEGTYWTTFIDDT 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

Global analysis of protein expression in yeast.Ghaemmaghami S., Huh W.-K., Bower K., Howson R.W., Belle A., Dephoure N., O'Shea E.K., Weissman J.S.Nature 425:737-741(2003)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.