

Recombinant E.coli Phosphoenolpyruvate carboxylase

Catalog No: #AP72388



Package Size: #AP72388-1 20ug #AP72388-2 100ug #AP72388-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant E.coli Phosphoenolpyruvate carboxylase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:5-883aaSequence Info:Partial
Accession No.	P00864
Uniprot	P00864
GeneID	948457;
Calculated MW	102.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	YSALRSNVSM LGKVLGETIKDALGEHILERVETIRKLSKSSRAGNDANRQELLTTLQNLSDNDELLPVARAFSQFL NLANTAEQYHSISPKGEAASNPEVIARTLRKLNQPELSEDTIKKAVESLSLELVLTAHPTEITRRTLIIHKMVEVN ACLKQLDNKDIADYEHNQLMRRLRQLIAQSWHTDEIRKLRPSVDEAKWGFVAVENSLWQGVPNYLRELNEQ LEENLGYKLPVEFVPRFTSWMGDRDGNPNVTADITRHVLLLSRWKATDLFLDKIQVLVSELSMVEATPELL ALVGEEGAEPYRYLMKNLRSRLMATQAWLEARLKGEELPKPEGLLTQNEELWEPLYACYQSLQACGMGIIA NGDLLDLRRVKCFGVPLVRIDIRQESTRHEALGELTRYLGIGDYESWSEADKQAFILIRELNSKRPLLPRNWQ PSAETREVLDTQCQVIAEAPQGSIAAYVISMAKTPSDVLAVHLLLKEAGIGFAMPVAPLFETLDDLNNANDVMTQL LNIDWYRGLIQGKQMMIGYSDSAKDAGVMAASWAQYQAQDALIKTCEKAGIELTLFHGRGGSIGRGGGAPAH AALLSQPPGSLKGGLRVTEQGEMIRFKYGLPEITVSSLSLYTGAILEANLLPPEPKESWRRIMDELSVISCDVY RGYVRENKDFVPYFRSATPEQELGKLPLGSRPAKRRPTGGVESLRAIPWIFAWTQNRMLPAWLGAGTALQK VVEDGKQSELEAMCRDWPFFSTRLGMLEMVFADLWLAEYDQRLVDKALWPLGKELRNLQEEDIKVVLA ANDSHLMADLPWIAESIQLRNIYDPLNVLQAELLHRSRQAEKEGQEPDPRVEQALMVTIAGIAAGMRNTG
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

Forms oxaloacetate, a four-carbon dicarboxylic acid source for the tricarboxylic acid cycle.

References

Site-directed mutagenesis of the conserved histidine residue of phosphoenolpyruvate carboxylase. His138 is essential for the second partial reaction.Terada K., Izui K.Eur. J. Biochem. 202:797-803(1991)Research Topic:Others

Note: This product is for in vitro research use only