

Recombinant Escherichia coli Phosphoenolpyruvate synthase(ppsA)

Catalog No: #AP71051

Package Size: #AP71051-1 20ug #AP71051-2 100ug #AP71051-3 1mg



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Description

Product Name	Recombinant Escherichia coli Phosphoenolpyruvate synthase(ppsA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-792aaSequence Info:Full Length
Other Names	Pyruvate, water dikinase
Accession No.	P23538
Calculated MW	103.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SNNGSSPLVLWYNQLGMNDVDRVGGKNASLGEMITNLSGMGVSVPNGFATTADAFNQFLDQSGVNRRIYEL LDKTDIDVTQLAKAGAQRQWIIDTPFQPELENAIREAYAQLSADDENASFAVRSSATAEDMPDASFAGQQET FLNVQGFDAVLVAVKHVFASLFNDRAISYRVHQGYDHRGVALSAGVQRMVRSDLASSGVMFSIDTESGFDQV VFITSAWGLGEMVVQGA VNPDEFYVHKPTLAANRPAIVRRTMGSKKIRMVYAPTQEHGKQVKIEDVPQEQRDI FSLTNEEVQELAKQAVQIEKHYGRPMDEIWA KDGHTGKLFIVQARPETVRSRGQVMERYTLHSQGKIIAEGRAI GHRIGAGPVKVIHDISEMNRIE PGDVLVTDMDPDWEPI MKKASAI VTNRGGR TCHAAIIARELGIPAVVGCGDA TERMKDGENVTVSCAEGDTGYVYAE LLEFSVKSSSVETMPDLPLKVM MNVGNPDRAFDFA CLPNEG VGLAR LEFIINRMIGVHPRALLEFDDQEPQLQNEIREMMKGFDSPREFYVGR LTEGIATLGAAFYPKRVIVRLSDFKSNE YANLVGGERYEPDEENPMLGFRGAGRYVSDSFRDCFALECEAVKRVRNDMGLTNVEIMIPFVRTVDQAKAVV EELARQGLKRG ENGLKIIMMCEIPSNALLAEQFLEYFDGFSIGSNDMTQLALGLDRDSGVVSE LFDERND AVKA LLSMAIRAAKKQ GKYGICGQGPSDHEDFAAWLMEEGIDSLSLNPDTVVQTTWLSLAELKK
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

Catalyzes the phosphorylation of pyruvate to phosphoenolpyruvate.

References

The cloning and sequence of the E. coli pps gene.Holzschu D.L., McElver J.A., Liao C.C., Berry A. Cloning and nucleotide sequence of the Escherichia coli K-12 ppsA gene, encoding PEP synthase.Niersbach M., Kreuzaler F., Geerse R.H., Postma P.W., Hirsch H.J.Mol. Gen. Genet. 231:332-336(1992)Research Topic:Others

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