

Recombinant Ribose-5-phosphate isomerase A

Catalog No: #AP73034



Package Size: #AP73034-1 20ug #AP73034-2 100ug #AP73034-3 1mg

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Description

Product Name	Recombinant Ribose-5-phosphate isomerase A
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-219aaSequence Info:Full Length
Other Names	Phosphoriboisomerase A
Accession No.	P0A7Z0
Uniprot	P0A7Z0
GenID	947407;
Calculated MW	22.9 kDa
Tag Info	NO-tagged
Target Sequence	MTQDELKKA V GWAALQYVQPGTIVGVGTGSTA AHFIDALGTMKGQIEGAVSSSDASTEKLKSLGIHVFDLNEV DSLGIYVDGADEINGHMQMIKGGGAALTREKIIASVAEKFCIADASKQVDILGKFPVVEVIPMARS AVARQLVK LGG RPEYRQGVVTDNGNVILDVHGMEILDPIAMENAINAIPGVVTVGLFANRGADVALIGTPDGVKTIVK
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

Involved in the first step of the non-oxidative branch of the pentose phosphate pathway. It catalyzes the reversible conversion of ribose-5-phosphate to ribulose 5-phosphate. Can also act on D-ribose-5-diphosphate and D-ribose-5-triphosphate as substrate.

References

Comparing the predicted and observed properties of proteins encoded in the genome of Escherichia coli K-12.Link A.J., Robison K., Church G.M.Electrophoresis 18:1259-1313(1997)Research Topic:Others

Note: This product is for in vitro research use only