

# Recombinant Escherichia coli Mannose-6-phosphate isomerase(manA)

Catalog No: #AP70552

Package Size: #AP70552-1 20ug #AP70552-2 100ug #AP70552-3 1mg

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## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Escherichia coli Mannose-6-phosphate isomerase(manA)                                                                                                                                                                                                                                                                                                                                                                                        |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen Description | Expression Region:1-391aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                                                                                      |
| Other Names           | PhosphohexomutasePhosphomannose isomerase ;PMI                                                                                                                                                                                                                                                                                                                                                                                                          |
| Accession No.         | P00946                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Calculated MW         | 58.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Target Sequence       | <p>MQKLINSVQNYAWGSKTALTELYGMENPSSQPMaelWMGAHPKSSSRVQNAAGDIVSLRDVIESDKSTLLGE</p> <p>AVAKRFGELPFLFKVLCaaQPLSIQVHPNKHnSEIGFAKENAAGIPMDAAERNYKDPNHKPELVFALTPFLAMN</p> <p>AFREFSEIVSLLQPvAGAHpAIAHFLQQPDAERLSELFASLLNMQGEEKSRALAILKSALDSQQGEPWQTIRLIS</p> <p>EFYPEDSGLFSPLLLNVVKLNpGEAMFLFAETPHAYLQGValeVMANSdNVLragLTPKYIDiPELVANvKFEA</p> <p>KPANQLLTQPVKQGAELDFPIPVDDFAFSLHDLSDKETTISQQSAAILFCVEGDATLWKGSQQQLQLKPGESAFI</p> <p>AANESpVTVKGHGRLARvYNKL</p> |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage               | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>                                                  |

## Background

Involved in the conversion of glucose to GDP-L-fucose, which can be converted to L-fucose, a capsular polysaccharide.

## References

Robison K., O'Keeffe T., Church G.M. Lysine acetylation is a highly abundant and evolutionarily conserved modification in Escherichia coli.Zhang J., Sprung R., Pei J., Tan X., Kim S., Zhu H., Liu C.F., Grishin N.V., Zhao Y.Mol. Cell. Proteomics 8:215-225(2009)Research Topic:Others

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