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Datasheet for ABIN1671264

Ribose 5-Phosphate Isomerase A (RPIA) (AA 1-219) protein (His tag)

Overview

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|-------------------------------|---------------------------------------|
| Quantity: | 1 mg |
| Target: | Ribose 5-Phosphate Isomerase A (RPIA) |
| Protein Characteristics: | AA 1-219 |
| Origin: | Acidithiobacillus ferrooxidans |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | His tag |
| Application: | ELISA |

Product Details

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| Sequence: | MNTDALKKMA AEAALRYIQP GMVVGVTGS TTNFFIEALG AAKIHVDGYV ASSIATENRL KAQGLNVLEL NATGDIPVYI DGADEADPHF RLIKGGGGAL TREKIVASAA RLFVCIADDS KDRPMLGKFP LPVEVIPFAR SFVARQLVKI GGSPTLRSGI TTDNGNVILD VTGLDFSDPL RMEETINAIP GVLDNGIFAH RRADVMLFGS AGGVIERKA |
| Specificity: | Acidithiobacillus ferrooxidans (strain ATCC 23270 / DSM 14882 / NCIB 8455) (Ferrobacillus ferrooxidans (strain ATCC 23270)) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

Target Details

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|-------------------|---|
| Target: | Ribose 5-Phosphate Isomerase A (RPIA) |
| Alternative Name: | Ribose-5-phosphate isomerase A (rpiA) (RPIA Products) |
| UniProt: | B7J5S6 |
| Pathways: | Cellular Glucan Metabolic Process , Ribonucleoside Biosynthetic Process |

Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |