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Datasheet for ABIN1628616

Thiamine Biosynthesis2 (THI2) (AA 45-354) protein (His tag)

Overview

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|-------------------------------|-------------------------------|
| Quantity: | 1 mg |
| Target: | Thiamine Biosynthesis2 (THI2) |
| Protein Characteristics: | AA 45-354 |
| Origin: | Zea mays |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | His tag |
| Application: | ELISA |

Product Details

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| Sequence: | ASISSP NPPYDLTSFR FSPIKESIVS REMTRRYMTD MITHADTDVV IVGAGSAGLS CAYELSKDPT VSVAIVEQSV SPGGGAWLGG QLFSAMVRR PAHLFLDELG VGYDEAEDYV VVKHAALFTS TVMSRLLARP NVKLFNAVAV EDLIVRRGRV GGVTNWALV SMNHDTQSCM DPNVMEAKVV VSSCGHDGPF GATGVKRLQD IGMISAVPGM KALDMNAAED EIVRLTREV VPGMIVTGMEV AEIDGAPRMG PTFGAMMISG QKAAHLALKA LGRPNAVDGT IPEVSPALRE EFVIASKDDE VVDA |
| Specificity: | Zea mays (Maize) |
| 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: | Thiamine Biosynthesis2 (THI2) |
| Alternative Name: | Thiamine thiazole synthase 2, chloroplastic (THI1-2) (THI2 Products) |
| Background: | Recommended name: Thiamine thiazole synthase 2, chloroplastic. Alternative name(s): Thiazole biosynthetic enzyme 2 |
| UniProt: | Q41739 |

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 modified 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. |