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Datasheet for ABIN1629647 **1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)** (AA 1-396) protein (His tag)



Overview

| Quantity: | 1 mg |
|-------------------------------|---|
| - | |
| Target: | 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR) |
| Protein Characteristics: | AA 1-396 |
| Origin: | Pseudomonas syringae |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | His tag |
| Application: | ELISA |

Product Details

| Sequence: | MSGPQQISIL GATGSIGLST LDVVARHPAL YQVFALTGFS RLDELLALCI RHTPQYAVVP |
|------------------|--|
| | DQVVARKLQD DLAAAGLDTR VLVGEGGLCE VAADPRVDAV MAAIVGAAGL RPTLAAVEAG |
| | KKVLLANKEA LVMSGALFMQ AVRQNGAVLL PIDSEHNAIF QCLPGDFARG LGAVGVRRIM |
| | LTASGGPFRE TPLEQLHNVT PEQACAHPVW SMGRKISVDS ATMMNKGLEL IEACWLFDAR |
| | PDQVEVVIHP QSVIHSLVDY VDGSVLAQLG NPDMRTPIAN ALAWPARVDS GVAPLDLFRI |
| | GQLDFQAPDE ERFPCLRLAR QAAEAGGSAP AMLNAANEVA VAAFLDGRIR YLEIAGIIEE |
| | VLDHEPVTAV EGLEAVFAAD AKARLLAGQW FERHGR |
| Specificity: | Pseudomonas syringae pv. syringae (strain B728a) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien |
| | cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

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Target Details

| Target: | 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR) |
|-------------|--|
| Abstract: | DXR Products |
| Background: | Recommended name: 1-deoxy-D-xylulose 5-phosphate reductoisomerase. |
| | Short name= DXP reductoisomerase. |
| | EC= 1.1.1.267. |
| | Alternative name(s): 1-deoxyxylulose-5-phosphate reductoisomerase 2-C-methyl-D-erythritol 4- |
| | phosphate synthase |
| UniProt: | Q4ZWS2 |
| Pathways: | Cellular Glucan Metabolic Process |

Application Details

| 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 modificated 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

| 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. |

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