# 质检报告 Certificate of Analysis

## Recombinant EPSPS protein (6*His tag)

产品货号 Catalog Number: 530398

### 产品信息 Product Information

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|---|---|
| **批号 Batch No.** | NP456379 |
| **种属 Species** | Arabidopsis thaliana |
| **来源 Source** | E. coli |
| **标签 Tag** | N-His tag |
| **登录号 Accession** | AT1G48860.1 |

### 检测数据 Analytical Data

| 检测项目 Test | 规格 Specifications | 检测结果 Results |
|---|---|---|
| **纯度 Purity** | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. | >90% |
| **内毒素 Endotoxin** | - | Not Tested |
| **分子量 Molecular Weight** | | Approximately 50 kDa band in reducing SDS-PAGE. |
| **外观 Appearance** | | White lyophilized powder |

### 配制与储存 Preparation and Storage

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| **配方 Formulation** | The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization. |
| **复溶 Reconstitution** | Reconstitute at 0.25 μg/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **储存与稳定性 Storage & Stability** | Store for up to 12 months at -20°C to -80°C as lyophilized powder.<br>Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **运输 Shipping** | Ambient temperature |

本质检报告汇总了上述批次留存的质检信息。
This certificate summarizes the QC information recorded for the batch listed above.

**QC 签名 QC Signature**

质检日期 QC Date: 2025-11-24

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