Datasheet for ABIN1661072

# Oxygen-Evolving Enhancer Protein 2, Chloroplastic (PSBP) (AA 74-259) protein (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | Oxygen-Evolving Enhancer Protein 2, Chloroplastic (PSBP) |
| Protein Characteristics: | AA 74-259 |
| Origin: | Pisum sativum |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | His tag |
| Application: | ELISA |

## Product Details

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| Sequence: | AYGEAAN VFGKAKTNTD YLPYNGDGFK LLVPAKWNPS KEREFPGQVL RYEDNFDATS NVSVLVQTTD KKSITDYGSP EEFLSKVDYL LGKQAFFGQT DSEGGFDTNA VAVANILESS APVIGGKQYY NISVLTRTAD GDEGGKHQLI TATVKDGKLY ICKAQAGDKR WFKGARKFVE DTASSFSVA |
| Specificity: | Pisum sativum (Garden pea) |
| 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 % |

## Target Details

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|---|---|
| Target: | Oxygen-Evolving Enhancer Protein 2, Chloroplastic (PSBP) |

## Target Details

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| Abstract: | PSBP Products |
| Background: | Recommended name: Oxygen-evolving enhancer protein 2, chloroplastic.<br>Short name= OEE2.<br>Alternative name(s): 23 kDa subunit of oxygen evolving system of photosystem II 23 kDa thylakoid membrane protein O.<br>EC 23 kDa subunit |
| UniProt: | P16059 |

## 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 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

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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. |