



# Recombinant Arabidopsis thaliana Deoxyribodipyrimidine photo-lyase (PHR1)

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| <b>Product Code</b>      | CSB-MP865840DOA  |
| <b>Abbreviation</b>      | PHR1   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q9SB00   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Arabidopsis thaliana (Mouse-ear cress)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MASTVSVQPG RIRILKKGSW QPLDQTVGPV VYWMFRDQRL KDNWALIHAV<br>DLANRTNAPV AVVFNLFDQF LDAKARQLGF MLKGLRQLHH QIDSLQIPFF<br>LLQGDAKETI PNFLTECGAS HLVTDFSPLR EIRRCKDEVV KRTSDSLAIH<br>EVDAHNVVPM WAASSKLEYS ARTIRGKINK LLPDYLIEFP KLEPPKKKWT<br>GMMDKKLVDW DSLIDKVVRE GAEVPEIEWC VPGEDAGIEV LMGNKDGFLT<br>KRLKNYSTDR NNPIKPKALS GLSPYLHFGQ VSAQRCALEA RKVRSTSPQA<br>VDTFLEELIV RRELSDNFCY YQPHYDSLKG AWEWARKSLM DHASDKREHI<br>YSLEQLEKGL TADPLWNASQ LEMVYQGKMH GFMRMYWAKK<br>ILEWTKGPEE ALSISIYLNK KYEIDGRDPS GYVGC MWSIC GVHDQGWKER<br>PVFGKIRYMN YAGCKRKFNV DSYISYVKSL VSVTKKKRKA EEQLTRDSVD<br>PKITIV |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | PHR1   |
| <b>Protein Names</b>     | Recommended name: Deoxyribodipyrimidine photo-lyase EC= 4.1.99.3<br>Alternative name(s): AtCPDII DNA photolyase Photoreactivating enzyme 1<br>Protein UV RESISTANCE 2  |
| <b>Expression Region</b> | 1-496  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |



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