



# Recombinant Photobacterium profundum

## Selenide, water dikinase (selD)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Code</b>      | CSB-EP747061PIG                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Abbreviation</b>      | selD                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>       | Q6LP05                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Photobacterium profundum (strain SS9)                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MENVRLTQYS HGAGCGCKIS PQVLDLILRT QLAPFSDPNL LVGNESKDDA<br>AVYDLGNGTA AISTTDFMP IVDDPFDFGR IAATNAISDI YAMGGKPIMA<br>IALGWPNV LAPEIAQQVI EGGRSVCREA GISLAGGHSI DAPEPIFGLA<br>VTGIVDTRV KRNNRAENG C KLYLT KPLGI GVLTTAEKQS KLADEHKGLA<br>RDWMCKLNIP GQDFANVEGV KAMTDVTGFG LMGHLSEICE GSQ LKARVDF<br>DSVPYLPGVF DYIAQGCVPG GTTRNFDSYG QKLGAMTEQQ KALLCDPQTS<br>GGLLIAVTPD AETEQQQLQAI AARHNIELQA IGEMMPLDGD TLIEIC |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>      | selD                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Names</b>     | Recommended name: Selenide, water dikinase EC= 2.7.9.3 Alternative name(s): Selenium donor protein Selenophosphate synthase                                                                                                                                                                                                                                                                                    |
| <b>Expression Region</b> | 1-346                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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.    |
| <b>Shelf Life</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.                                                                                                                             |