



# Recombinant Escherichia coli O8 D-phenylhydantoinase (hyuA)

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| <b>Product Code</b>      | CSB-YP482504E00  |
| <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>       | B7LYD8   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O8 (strain IA11)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MRVLIKNGTV VNADGQAKQD LLIESGIVRQ LGNNISPQLP YEEIDATGCY VFPGGVDVHT HFNIDVGIAR SCDDFFTGTR AACCGGTTTI IDHMGFGPNG CRLRHQLEVV RGYAAHKAVI DYSFHGVIQH INHAILDEIP MMVEEGLSSF KLYLTYQYKL NDDEVLQALR RLHESGALTT VHPENDAAIA SKRAEFIAAG LTAPRYHALS RPLECEAEAI ARMINLAQIA GNPPLYIVHL SNGLGLDYLR LARANHQPVW VETCPQYLLL DERSYDTEG MKFILSPPLR NVREQDKLWC GISDGAIDVV ATDHCTFSMA QRLQISKGDF SRCPNGLPGV ENRMQLLFSS GVMTGRITPE RFVELTSAMP ARLFGLWPQK GLLAPGSDGD VVIIDPRQSQ QIQHRHLHDN ADYSPWEGFT CQGAVRTL S RGETIFCDGT FTGKAGRGRF LRRKPFVPPV L |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | hyuA   |
| <b>Protein Names</b>     | Recommended name: D-phenylhydantoinase EC= 3.5.2.- Alternative name(s): Hydantoin-utilizing enzyme hyuA  |
| <b>Expression Region</b> | 1-461  |
| <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.   |