



# Recombinant Escherichia coli Hydroxylamine reductase (hcp)

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| <b>Product Code</b>      | CSB-EP484966ENM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>       | B7LD66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen Species</b> | Escherichia coli (strain 55989 / EAEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sequence</b>          | MFCVQCEQTI RTPAGNGCSY AQGMCGKTAE TSDLQDLLIA ALQGLSAWAV<br>KAREYGIINH DVDSFAPRAF FSTLTNVNFD SPRIVGYARE AIALREALKA<br>QCLAVDANAR VDNPMADLQL VSDDLGE LQR QAAEFTPNKD KAAIGENILG<br>LRLCLYGLK GAAAYMEHAH VLGQYDNDIY AQYHKIMAWL GTWPADMNAL<br>LECSMEIGQM NFKVMSILDA GETGKYGHPT PTQVNVKATA GKCILISGHD<br>LKDLYNLLEQ TEGTGVNVYT HGEMLPAHGY PELRKFKHLV GNYGSGWQNG<br>QVEFARFPGP IVMTSNCIID PTVGAYDDRI WTRSIVGWPG VRHLDGEDFS<br>AVIAQAQMA GFPYSEIPHL ITVGFG RQTL LGAADTLIDL VSREKLRHIF<br>LLGGCDGARG ERHYFTDFAT SVPDDCLILT LACGKYRFNK LEFGDIEGLP<br>RLVDAGQCND AYSAILAVT LAEKLGCNVN DLPLSLVLSW FEQKAIVILL<br>TLLSLGVKNI VTGPTAPGFL TPDLLAVLNE KFGLRSITTV EEDMKQLLSA |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Names</b>      | hcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: Hydroxylamine reductase EC= 1.7.-.- Alternative name(s): Hybrid-cluster protein Short name= HCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Expression Region</b> | 1-550                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                         |



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