



# Recombinant Escherichia coli Hydrogenase-2 large chain (hybC)

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| <b>Product Code</b>      | CSB-BP364785ENV  |
| <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>       | P0ACE0   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli (strain K12)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SQRITIDPV TRIEGHLRID CEIENGVVSK AWASGTMWRG MEEIVKNRDP<br>RDAWMIVQRI CGVCTTTHAL SSVRAAESAL NIDVPVNAQY IRNIIAAHT<br>THDHIVHFYQ LSALDWVDIT SALQADPTKA SEMLKGVSTW HLNSPEEFTK<br>VQNKIKDLVA SGQLGIFANG YWGH PAMKLP PEVNLI AVAH YLQALECQRD<br>ANRVVALLGG KTPHIQNLAV GGVANPINLD GLGLVNLERL MYIKSFIDKL<br>SDFVEQVYKV DTAVIAAFYP EWLTRGKGAV NYLSVPEFPT DSKNGSFLFP<br>GGYIENADLS SYRPITSHSD EYLIKGIQES AKHSWYKDEA PQAPWEGTTI<br>PAYDGWSDDG KYSWVKSP TF YGKTVEVGPL ANMLVKLAAG RESTQNKLNE<br>IVAIYQKLTG NTLEVAQLHS TLGRIIGRTV HCC ELQDILQ NQYSALITNI<br>GKGDHTTFVK PNIPATGEFK GVG FLEAPRG MLSHWMVIKD GIISNYQAVV<br>PSTWNSGPRN FNDDVGPYEQ SLVGTVPVADP NKPLEVVRTI HSFDP C MACA<br>VH |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | hybC   |
| <b>Protein Names</b>     | Recommended name: Hydrogenase-2 large chain Short name= HYD2 EC= 1.12.99.6 Alternative name(s): Membrane-bound hydrogenase 2 large subunit NiFe hydrogenase  |
| <b>Expression Region</b> | 2-552  |
| <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 of Mature 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. 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.