



# Recombinant Escherichia coli Hydrogenase-2 small chain (hybO)

<b>Product Code</b>	CSB-YP301702ENV
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P69741
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	EMA ESVTNPQRPP VIWIGAQECT GCTESLLRAT HPTVENLVLE TISLEYHEVL SAAFQHQVEE NKHNALEKYK GQYVLVVDGS IPLKDNGIYC MVAGEPIVDH IRKAAEGAAA IIAIGSCSAW GGVAAGVNP TGAVSLQEVLE PGKTVINIPG CPPNPHNFLA TVAHIITYGK PPKLDDKNRP TFAYGRLIHE HCERRPHFDA GRFAKEFGDE GHREGWCLYH LGCKGPETYG NCSTLQFCDV GGVWPVAIGH PCYGCNEEGI GFHKGIIHQLA NVENQTPRSQ KPDVNAKEGG NVSAGAIGLL GGVVGLVAGV SVMAVRELGR QQKKDNADSR GE
<b>Source</b>	Yeast
<b>Target Names</b>	hybO
<b>Protein Names</b>	Recommended name: Hydrogenase-2 small chain Short name= HYD2 EC= 1.12.99.6 Alternative name(s): Membrane-bound hydrogenase 2 small subunit NiFe hydrogenase
<b>Expression Region</b>	38-372
<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.