



# Recombinant Clostridium kluveri NAD-dependent 4-hydroxybutyrate dehydrogenase (4hbD)

<b>Product Code</b>	CSB-EP327911CWX-B
<b>Storage</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.
<b>Uniprot No.</b>	P38945
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Clostridium kluveri (strain ATCC 8527 / DSM 555 / NCIMB 10680)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKLLKLAPDV YKFDTAEEFM KYFKVKGKDF ILTNEFLYKP FLEKFNDGAD AVFQEKYGLG EPSDEMinni IKDIGDKQYN RIIAVGGGSV IDIAKILSLK YTDDSLDLFE GKVPLVKNKE LIIVPTTCGT GSEVTNVSA ELKRRHTKKG IASDELYATY AVLVPEFIKG LPYKFFVTSS VDALIHATEA YVSPNANPYT DMFSVKAMEL ILNGYMQMVE KGNDYRVEII EDFVIGSNYA GIAFGNAGVG AVHALSYPIG GNYHVPHGEA NYLFFTEIFK TTYEKPNPGK IKDVNKLLAG ILKCDESEAY DSLSQLLDKL LSRKPLREYG MKEEEIETFA DSVIEGQQRL LVNNYEPFSR EDIVNTYKKL Y
<b>Source</b>	E.coli
<b>Target Names</b>	4hbD
<b>Protein Names</b>	Recommended name: NAD-dependent 4-hydroxybutyrate dehydrogenase Short name= 4HBD EC= 1.1.1.61
<b>Expression Region</b>	1-371
<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. 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.