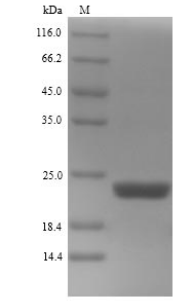
Recombinant White-rot fungus Cellobiose dehydrogenase (CDH-1), partial

Product Code	CSB-YP312474EUK
Relevance	Degrades both lignin and cellulose. Oxidizes cellobiose to cellobionolactone.
Abbreviation	Recombinant Phanerochaete chrysosporium CDH-1 protein, partial
Storage	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.
Uniprot No.	Q01738
Alias	Cellobiose-quinone oxidoreductase
Product Type	Recombinant Protein
Immunogen Species	Phanerochaete chrysosporium (White-rot fungus) (Sporotrichum pruinosum)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	QSASQFTDPTTGFQFTGITDPVHDVTYGFVFPPLATSGAQSTEFIGEVVAPIAS KWIGIALGGAMNNDLLLVAWANGNQIVSSTRWATGYVQPTAYTGTATLTTLPE TTINSTHWKWVFRCQGCTEWNNGGGIDVTSQGVLAWAFSNVAVDDPSDPQS TFSEHTDFGFFGIDYSTAHSANYQNYLNGDSG
Research Area	Microbiology
Source	Yeast
Target Names	CDH-1;
Protein Names	Recommended name: Cellobiose dehydrogenase Short name= CDH EC= 1.1.99.18 Alternative name(s): Cellobiose-quinone oxidoreductase
Expression Region	19-208aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	22.3kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution	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.
Shelf Life	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.