



Recombinant Bovine NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial (NDUFV2)

Product Code	CSB-EP015669BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04394
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	GAGGALFV HRDTPENNPE TPFDFTPENY KRIEAIKKNY PEGHKAAAVL PVLDLAQRQN GWLPISAMNK VAEILQVPPM RVEVATFYT MYNRKPVGKY HIQVCTTTPC MLRNSDSILE AIQKKLGIV GETTPDKLFT LIEVECLGAC VNAPMVQIND NYEDLTPKD IEEIIDELKA GKIPKPGPRS GRFSCEPAGG LTSLTEPPKG PGFGVQAGL
Source	E.coli
Target Names	NDUFV2
Protein Names	Recommended name: NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial EC= 1.6.5.3 EC= 1.6.99.3 Alternative name(s): NADH dehydrogenase subunit II NADH-ubiquinone oxidoreductase 24 kDa subunit
Expression Region	33-249
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson s disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.