



# Recombinant Bovine NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (NDUFA10)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP015619BO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P34942  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Bos taurus (Bovine)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | LQYGPLA YILGEKATKK MTEKSKLITV DGNICSGKSK LAKEIAEKLG<br>LKHFP EAGIH YVDSTTGDGK PLPVQFSGNC SLEKFYDDPK SNDGNSYRLQ<br>AWLYASRLLQ YADALEHLLS TGQGVVLERS IYSDFVFLEA MYRQGFIRKQ<br>CVDHYNQVKK VTICEYLPPH VVVYVDVPPV EVQSRIQKKG NPHEMKITSA<br>YLQDIENAYK GTFLPEMSEK CEVLQYSAWE AQDAEKVVED IEYLKYDKGP<br>WLDQNDRLH KLRMLVQDKL EVLNYTSIPV FLPEVTVGAH QSDQVFQEFT<br>ELPGRKYRAG YNEDVGDKWI WLK                          |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | NDUFA10   |
| <b>Protein Names</b>     | Recommended name: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial Alternative name(s): Complex I-42kD Short name= CI-42kD NADH-ubiquinone oxidoreductase 42 kDa subunit  |
| <b>Expression Region</b> | 24-343  |
| <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>Target Details</b>    | This protein belongs to the complex I 42kDA subunit family. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. This protein is a component of the hydrophobic protein fraction and has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain.           |
| <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. |



## 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.