



# Recombinant Rat NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial (Ndufv2)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP015669RA-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P19234  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | GAGGALFVH RDTPENNPDT PFDFTPENYE RIEAIVRNYP EGHRAAAVLP<br>VLDLAQRQNG WLPISAMNKV AEVLQVPPMR VYEVATFYTM YNRKPVGKYH<br>IQVCTTTPCM LRSDSILET LQRKLGIVG ETTPDKLFTL IEVECLGACV<br>NAPMVQINDD YYEDLTPKDI EEIIDELRAG KVPKPGPRSG RFCCEPAGGL<br>TSLTEPPKGP GFGVQAGL  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | Ndufv2  |
| <b>Protein Names</b>     | Recommended name: NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial EC= 1.6.5.3 EC= 1.6.99.3 Alternative name(s): NADH-ubiquinone oxidoreductase 24 kDa subunit   |
| <b>Expression Region</b> | 32-248  |
| <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>    | 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. |
| <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.