



# Recombinant Mouse NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial (Ndufb2)

<b>Product Code</b>	CSB-EP883884MO
<b>Abbreviation</b>	Ndufb2
<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>	Q9CPU2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AGGGVHI QPRYREFPQL TRSQVIQGEF LSSLMWFWIL WRFWHDSDAV LGHFSYPDPS QWTDEELGIP PDDED
<b>Source</b>	E.coli
<b>Target Names</b>	Ndufb2
<b>Protein Names</b>	Recommended name: NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial Alternative name(s): Complex I-AGGG Short name= CI-AGGG NADH-ubiquinone oxidoreductase AGGG subunit
<b>Expression Region</b>	34-105
<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 is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I.
<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.

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**Shelf Life**

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