Recombinant Mouse NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial (Ndufs1)

Product Code	CSB-EP842015MO-B
Abbreviation	Ndufs1
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.	Q91VD9
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	TGTAASN LIEVFVDGQS VMVEPGTTVL QACEKVGMQI PRFCYHERLS VAGNCRMCLV EIEKAPKVVA ACAMPVMKGW NILTNSEKSK KAREGVMEFL LANHPLDCPI CDQGGECDLQ DQSMMFGSDR SRFLEGKRAV EDKNIGPLVK TIMTRCIQCT RCIRFASEIA GVDDLGTTGR GNDMQVGTYI EKMFMSELSG NVIDICPVGA LTSKPYAFTA RPWETRKTES IDVMDAVGSN IVVSTRTGEV MRILPRMHED INEEWISDKT RFAYDGLKRQ RLTEPMVRNE KGLLTYTSWE DALSRVAGML QNFEGNAVAA IAGGLVDAEA LVALKDLLNK VDSDNLCTEE IFPTEGAGTD LRSNYLLNTT IAGVEEADVV LLVGTNPRFE APLFNARIRK SWLHNDLKVA LIGSPVDLTY RYDHLGDSPK ILQDIASGRH SFCEVLKDAK KPMVVLGSSA LQRDDGAAIL VAVSNMVQKI RVTTGVAAEW KVMNILHRIA SQVAALDLGY KPGVEAIRKN PPKMLFLLGA DGGCITRQDL PKDCFIVYQG HHGDVGAPMA DVILPGAAYT EKSATYVNTE GRAQQTKVAV TPPGLAREDW KIIRALSEIA GITLPYDTLD QVRNRLEEVS PNLVRYDDIE ETNYFQQASE LAKLVNQEVL ADPLVPPQLT IKDFYMTDSI SRASQTMAKC VKAVTEGAQA VEEPSIC
Source	E.coli
Target Names	Ndufs1
Protein Names	Recommended name: NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial EC= 1.6.5.3 EC= 1.6.99.3 Alternative name(s): Complex I-75kD Short name= CI-75kD
Expression Region	24-727
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	This protein belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency.
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.