Recombinant Human NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (NDUFS7)

Product Code	CSB-EP015666HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75251
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	PS STQPALPKAR AVAPKPSSRG EYVVAKLDDL VNWARRSSLW PMTFGLACCA VEMMHMAAPR YDMDRFGVVF RASPRQSDVM IVAGTLTNKM APALRKVYDQ MPEPRYVVSM GSCANGGGYY HYSYSVVRGC DRIVPVDIYI PGCPPTAEAL LYGILQLQRK IKRERRLQIW YRR
Source	E.coli
Target Names	NDUFS7
Protein Names	Recommended name: NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial EC= 1.6.5.3 EC= 1.6.99.3 Alternative name(s): Complex I-20kD Short name= CI-20kD NADH-ubiquinone oxidoreductase 20 kDa subunit PSST
Expression Region	39-213
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 gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions.
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.