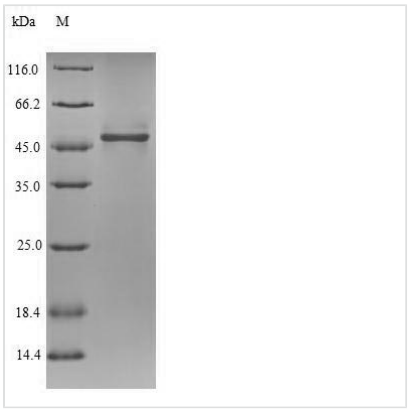
Recombinant Drosophila melanogaster NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondria (ND75), partial

Product Code	CSB-EP821986DLU
Relevance	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity). This 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
Abbreviation	Recombinant Drosophila melanogaster ND75 protein, partial
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.	Q94511
Alias	Complex I-75kD Short name: CI-75kD
Product Type	Recombinant Protein
Immunogen Species	Drosophila melanogaster (Fruit fly)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SAMVAQTPAKAPEKIEVFVDDIPVQVVPGTTVLQAAAQIGVEIPRFCYHERLAV AGNCRMCLVEVEKSPKPVAACAMPVMKGWRIKTNSDLTRKAREGVMEFLLM NHPLDCPICDQGGECDLQDQAMAFGSDRSRFTDINYTGKRAVEDKDIGPLVKT IMTRCIHCTRCVRFASEIAGVDDLGTTGRGNDMQIGTYVEKLFLTELSGNVIDL CPVGALTNKPYSFVARPWEIRKVSSIDVLDAVGSNIVVSTRTNEVLRILPRENE DVNEEWLADKSRFACDGLKRQR
Research Area	Others
Source	E.coli
Target Names	ND-75
Expression Region	28-315aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	47.8kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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