

Recombinant Human MT-ND5 Protein, His&GST-tagged

Cat. No. MT-ND5-1797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MT-ND5 Protein (Phe522-Thr603) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe522-Thr603
Description	Enables NADH dehydrogenase (ubiquinone) activity. Involved in mitochondrial electron transport, NADH to ubiquinone and mitochondrial respiratory chain complex I assembly. Part of mitochondrial respiratory chain complex I. Implicated in Leber hereditary optic neuropathy; Leigh disease; and MELAS syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.18 kDa Accurate Molecular Mass: 39 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

MT-ND5 mitochondrially encoded NADH dehydrogenase 5 [Homo sapiens (human)]

Official Symbol

MT-ND5

Synonyms

MT-ND5; mitochondrially encoded NADH dehydrogenase 5; MTND5; ND5; NADH dehydrogenase subunit 5

Gene ID

4540

Protein Refseq

YP_003024036

UniProt ID

P03915

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