

Recombinant Human MT-ND1 Protein (Phe19-Leu84), N-GST tagged

Cat. No. MT-ND1-3736H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MT-ND1 (Phe19-Leu84) fused with the N-GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe19-Leu84
Description	Enables NADH dehydrogenase (ubiquinone) activity. Involved in mitochondrial electron transport, NADH to ubiquinone and mitochondrial respiratory chain complex I assembly. Located in mitochondrial membrane. Part of mitochondrial respiratory chain complex I. Implicated in several diseases, including MELAS syndrome; neurodegenerative disease (multiple); optic nerve disease (multiple); toxic shock syndrome; and type 2 diabetes mellitus. Biomarker of Alzheimer's disease; Parkinson's disease; and multiple sclerosis.
Form	Lyophilized powder/frozen liquid
Molecular Mass	34.13 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

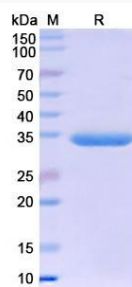
Gene Name	MT-ND1 mitochondrially encoded NADH dehydrogenase 1 [Homo sapiens (human)]
Official Symbol	MT-ND1
Synonyms	MT-ND1; mitochondrially encoded NADH dehydrogenase 1; MTND1; ND1; NADH dehydrogenase subunit 1; TAA stop codon is completed by the addition of 3' A residues to the mRNA
Gene ID	4535
Protein Refseq	YP_003024026
UniProt ID	P03886

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SDS-PAGE



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