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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NDUFA5 (Human) Recombinant Protein (P01)

Catalog Number: H00004698-P01

Regulation Status: For research use only (RUO)

Product Description: Human NDUFA5 full-length ORF (NP_004991.1, 1 a.a. - 116 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MAGVLKKTTGLVGLAVCNTPHERLRILYTKILDVLEEIP KNAAYRKYTEQITNEKLAMVKAEPDVKKLEDQLQGGQ LEEVILQAEHELNLARKMREWKLWEPLVEEPPADQWK WPI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 39.9

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4698

Gene Symbol: NDUFA5

Gene Alias: B13, CI-13KD-B, DKFZp781K1356, FLJ12147, NUFM, UQOR13

Gene Summary: The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. The high degree of conservation of NDUFA5 extending to plants and fungi indicates its functional significance in the enzyme complex. The protein localizes to the inner mitochondrial membrane as part of the 7 component-containing, water soluble "iron-sulfur protein" (IP) fraction of complex I, although its specific role is unknown. It is assumed to undergo post-translational removal of the initiator methionine and N-acetylation of the next amino acid. The predicted secondary structure is primarily alpha helix, but the carboxy-terminal half of the protein has high potential to adopt a coiled-coil form. The amino-terminal part contains a putative beta sheet rich in hydrophobic amino acids that may serve as mitochondrial import signal. Related pseudogenes have also been identified on four other chromosomes. [provided by RefSeq]