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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP5A1 (Human) Recombinant Protein (P01)

Catalog Number: H00000498-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP5A1 full-length ORF (NP_001001937.1, 1 a.a. - 553 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLSVRVAAAVVRALPRRAGLVSRNALGSSFIAARNFH
ASNTHLQKTGTAEMSSILEERILGADTSVDLEETGRVL
SIGDGIARVHGLRNVQAEEMVEFSSGLKGMSLNLEPD
NVGVVVFVFGNDKLIKEGDIVKRTGAIVDVPVGEELLGRV
VDALGNAIDGKGPISKTRRRVGLKAPGIIIPRISVREPM
QTGIKAVDSLVPPIGRGQRELIIGDRQTGKTSIAIDTIINQK
RFNDGSDEKKKLYCIYVAIGQKRSTVAQLVKRLTDADA
MKYTIVVSATASDAAPLQYLAPYSGCSMGEYFRDNGK
HALIYDDLSKQAVAYRQMSLLRRPPGREAYPGDVFY
LHSRLLERAAMNDAFGGSLTALPIETQAGDVSAYI
PTNVISITDGQIFLETFLFYKIRPAINVGLSVSRVGSAA
QTRAMKQVAGTMKLELAQYREVAFAAQFGSDLDAAT
QQLSRGVRLTELLKQGQYSPMAIEEQVAVIYAGVRG
YLDKLEPSKITKFENAFLSHVVSQHQALLGTIRADGKIS
EQSDAKLKEIVTNFLAGFEA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 86.2

Interspecies Antigen Sequence: Mouse (98); Rat (97)

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: 498

Gene Symbol: ATP5A1

Gene Alias: ATP5A, ATP5AL2, ATPM, MOM2, OMR, ORM, hATP1

Gene Summary: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the same protein have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16. [provided by RefSeq]