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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP5G1 (Human) Recombinant Protein (P01)

Catalog Number: H00000516-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP5G1 full-length ORF (AAH04963, 18 a.a. - 136 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

TRGLIRPVSASFLLSPVNSSKQPSYSNFPQLQVARREFQ
TSVVSRDIDTAAKFIGAGAATVGVAGSGAGIGTVFGSLI
IGYARNPSLKQQLFSYAILGFALSEAMGLFCLMVAFLIL
FAM

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 38.83

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: 516

Gene Symbol: ATP5G1

Gene Alias: ATP5A, ATP5G

Gene Summary: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]