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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP5G2 (Human) Recombinant Protein (P01)

Catalog Number: H00000517-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP5G2 full-length ORF (AAH20826, 1 a.a. - 141 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MFACSKFVSTPSLVKSTSQLLSRPLSAVVLKRPEILTDE
SLSSLAVSCPLTSLVSSRSFQTSAISRDIDTAAKFIGAG
AATVGVAGSGAGIGTVFGSLIIGYARNPSLKQQLFSYAI
LGFALSEAMGLFCLMVAFLILFAM

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 41.25

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: 517

Gene Symbol: ATP5G2

Gene Alias: -

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, F0, 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 single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). There are three separate genes which encode subunit c of the proton channel and they specify precursors with different import sequences but identical mature proteins. The protein encoded by this gene is one of three precursors of subunit c. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene has multiple pseudogenes. [provided by RefSeq]