

Recombinant Human ATP5G3, GST-tagged

Cat. No. ATP5G3-3702H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP synthase lipid-binding protein, mitochondrial (ATP5G3)
Species	Human
Source	E.Coli/Yeast
ProteinLength	142
Description	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 different proteins have been identified.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Small volumes of ATP5G3 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
GENE INFORMATION	
Gene Name	ATP5G3 ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit C3 (subunit 9) [Homo sapiens]
Official Symbol	ATP5G3
Synonyms	P3
Gene ID	518
mRNA Refseq	NM_001689.4
Protein Refseq	NP_001680.1
MIM	602736
UniProt ID	P48201

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Chromosome Location	2q31.1
Pathway	Alzheimers disease, organism-specific biosystem;Alzheimers disease, conserved biosystem;Electron Transport Chain, organism-specific biosystem;F-type ATPase, eukaryotes, organism-specific biosystem;Huntingtons disease, organism-specific biosystem;Huntingto
Function	hydrogen ion transmembrane transporter activity;lipid binding;transporter activity;

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