

Human ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit C1 (subunit 9) ELISA Kit | ATP5G1 elisa kit

Human ATP synthase lipid-binding protein, mitochondrial, ATP5G1 ELISA Kit

CATALOG #
AAA112780

REACTIVITY
Human

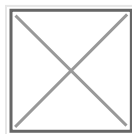
PRODUCT SYNONYMS

ATP synthase; H⁺ transporting; mitochondrial F0 complex; subunit C1 (subunit 9); Human ATP synthase lipid-binding protein; mitochondrial; ATP5G1 ELISA Kit; mitochondrial (ATP5G1) ELISA kit; ATP5A; ATP5G; ATP synthase lipid-binding protein; ATP synthase proteolipid P1; subunit C1; mitocho; ATP5G1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ATP5G1. No significant cross-reactivity or interference between human ATP5G1 and analogues was observed.
Sequence Length	136
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	23.5 pg/ml -1500 pg/ml.
Sensitivity	The minimum detectable dose of human ATP5G1 is typically less than 5.86 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP5G1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ATP5G1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ATP5G1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATP5G1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ATP5G1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50659069
NCBI GeneID	516
NCBI Accession #	NP_001002027.1
NCBI GenBank Nucleotide #	NM_001002027.1
UniProt Accession #	P05496
Molecular Weight	14,277 Da
NCBI Official Full Name	ATP synthase F(0) complex subunit C1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9)
NCBI Official Symbol	ATP5G1
NCBI Official Synonym Symbols	ATP5A; ATP5G
NCBI Protein Information	ATP synthase F(0) complex subunit C1, mitochondrial; ATP synthase F(0) complex subunit C1, mitochondrial; ATPase protein 9; ATPase subunit 9; ATPase subunit C; ATP synthase proteolipid P1; mitochondrial ATP synthase, subunit 9, isoform 1; mitochondrial ATP synthase, subunit C, isoform 1; ATP synthase lipid-binding protein, mitochondrial; ATP synthase proton-transporting mitochondrial F(0) complex subunit C1; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9); ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1
UniProt Protein Name	ATP synthase F(0) complex subunit C1, mitochondrial
UniProt Gene Name	ATP5G1
UniProt Entry Name	AT5G1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/atp5g1-human-elisa-kits/atp-synthase-h-transporting-mitochondrial-f0-complex-subunit-c1-subunit-9/112780>