

Human ATP synthase subunit gamma, mitochondrial (ATP5C1) ELISA Kit | ATP5C1 elisa kit

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CATALOG #
AAA246088

REACTIVITY
Human

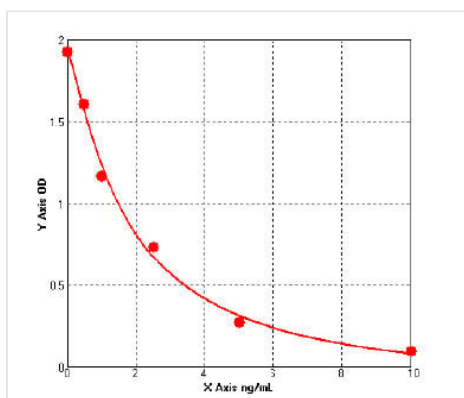
PRODUCT SYNONYMS

ATP synthase subunit gamma; mitochondrial (ATP5C1); Human ATP synthase subunit gamma; mitochondrial (ATP5C1) ELISA Kit; ATP5C1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP5C1. No significant cross-reactivity or interference between ATP5C1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP5C1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP5C1 elisa kit	Principle of the Assay: ATP5C1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ATP5C1 antibody and an ATP5C1-HRP conjugate. The assay sample and buffer are incubated together with ATP5C1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP5C1 concentration since ATP5C1 from samples and ATP5C1-HRP conjugate compete for the anti-ATP5C1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP5C1 from the sample, fewer sites are left to bind ATP5C1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP5C1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATP5C1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP5C1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATP5C1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345988
NCBI GeneID	509
NCBI Accession #	NP_001001973.1
NCBI GenBank Nucleotide #	NM_001001973.1
Molecular Weight	32,881 Da
NCBI Official Full Name	ATP synthase subunit gamma, mitochondrial isoform L (liver)
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1
NCBI Official Symbol	ATP5C1
NCBI Official Synonym Symbols	ATP5C; ATP5CL1
NCBI Protein Information	ATP synthase subunit gamma, mitochondrial; F-ATPase gamma subunit; ATP synthase gamma chain, mitochondrial; mitochondrial ATP synthase, gamma subunit 1
UniProt Protein Name	ATP synthase subunit gamma, mitochondrial
UniProt Gene Name	ATP5C1
UniProt Synonym Gene Names	ATP5C; ATP5CL1
UniProt Entry Name	ATPG_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://www.aaabiotech.com/human-elisa-kits/atp-synthase-subunit-gamma-mitochondrial-atp5c1/246088>