

Human Uncoupling Protein 1, Mitochondrial (UCP1) RTU ELISA Kit | UCP1 rtu elisa kit

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CATALOG #
AAA219087

REACTIVITY
Human

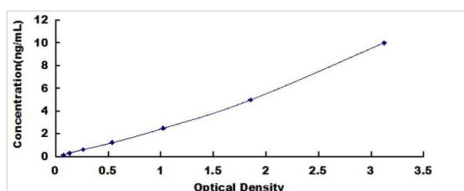
PRODUCT SYNONYMS

Uncoupling Protein 1; Mitochondrial (UCP1); Human Uncoupling Protein 1; Mitochondrial (UCP1) ELISA Kit; SLC25A7; UCP; Thermogenin; Solute carrier family 25 member 7; UCP1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	307
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UCP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UCP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain UCP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of UCP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225256
NCBI GeneID	7350
NCBI Accession #	NP_068605.1
NCBI GenBank Nucleotide #	NM_021833.4
UniProt Accession #	P25874; Q13218; Q4KMZ3; Q68G66
Molecular Weight	33,005 Da
NCBI Official Full Name	mitochondrial brown fat uncoupling protein 1
NCBI Official Synonym Full Names	uncoupling protein 1
NCBI Official Symbol	UCP1
NCBI Official Synonym Symbols	UCP; SLC25A7
NCBI Protein Information	mitochondrial brown fat uncoupling protein 1
UniProt Protein Name	Mitochondrial brown fat uncoupling protein 1
UniProt Gene Name	UCP1
UniProt Synonym Gene Names	UCP 1Curated

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/human-rtu-elisa-kits/uncoupling-protein-1-mitochondrial-ucp1/219087>