

Human CTPS2 (CTP synthase 2) ELISA Kit | CTPS2 elisa kit

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CATALOG #
AAA250340

REACTIVITY
Human

PRODUCT SYNONYMS

CTPS2 (CTP synthase 2); Human CTPS2 (CTP synthase 2) ELISA Kit; CTP synthase 2; CTP synthetase 2; UTP-ammonia ligase 2; CTPS2; CTPS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of. No significant cross -reactivity or interference between and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for CTPS2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316689
NCBI GeneID	56474
NCBI Accession #	NP_001137474.1
NCBI GenBank Nucleotide #	NM_001144002.1
UniProt Accession #	Q9NRF8 ; Q9BRI0 ; Q9H809 ; Q9H8K9 ; B3KWM2 ; Q9H6Q0
Molecular Weight	65,678 Da
NCBI Official Full Name	CTP synthase 2
NCBI Official Synonym Full Names	CTP synthase II

NCBI Official Symbol	CTPS2
NCBI Official Synonym Symbols	FLJ43358; MGC32997; DKFZp686C17207
NCBI Protein Information	CTP synthase 2; CTP synthetase 2; OTTHUMP00000022985; OTTHUMP00000022986; UTP-ammonia ligase; CTP synthetase type 2; UTP--ammonia ligase 2; CTP synthetase isoform; cytidine 5'-triphosphate synthetase 2
UniProt Protein Name	CTP synthase 2
UniProt Gene Name	CTPS2
UniProt Entry Name	PYRG2_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/ctps2-ctp-synthase-2/250340>