

Human Carnosine synthase 1 (ATPGD1) ELISA Kit | ATPGD1 elisa kit

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CATALOG #
AAA27198

REACTIVITY
Human

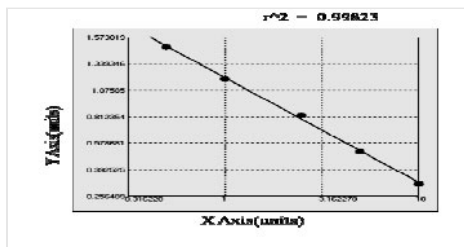
PRODUCT SYNONYMS

Carnosine synthase 1 (ATPGD1); Human Carnosine synthase 1 (ATPGD1) ELISA Kit; ATPGD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATPGD1 elisa kit

Intended Uses: This ATPGD-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATPGD-1. This ELISA kit for research use only!

Principle of the Assay: ATPGD-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATPGD-1 antibody and an ATPGD-1-HRP conjugate. The assay sample and buffer are incubated together with ATPGD-1-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 ATPGD-1 concentration since ATPGD-1 from samples and ATPGD-1-HRP conjugate compete for the anti-ATPGD-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATPGD-1 from the sample, fewer sites are left to bind ATPGD-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATPGD-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ATPGD1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	261245048
NCBI GeneID	107239
NCBI Accession #	NP_598909.2
NCBI GenBank Nucleotide #	NM_134148.2
Molecular Weight	35,783 Da
NCBI Official Full Name	carnosine synthase 1
NCBI Official Synonym Full Names	carnosine synthase 1
NCBI Official Symbol	Carns1
NCBI Official Synonym Symbols	Atpgd1; AI790298; mKIAA1394
NCBI Protein Information	carnosine synthase 1; ATP-grasp domain containing 1; ATP-grasp domain-containing protein 1
UniProt Protein Name	Carnosine synthase 1
UniProt Gene Name	Carns1
UniProt Synonym Gene Names	Atpgd1; Kiaa1394
UniProt Entry Name	CRNS1_MOUSE

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/carnosine-synthase-1-atpgd1/27198>