

Human GTP cyclohydrolase 1, GCH1 ELISA Kit | GCH1 elisa kit

Human GTP cyclohydrolase 1, GCH1 ELISA Kit

CATALOG #
AAA123543

REACTIVITY
Human

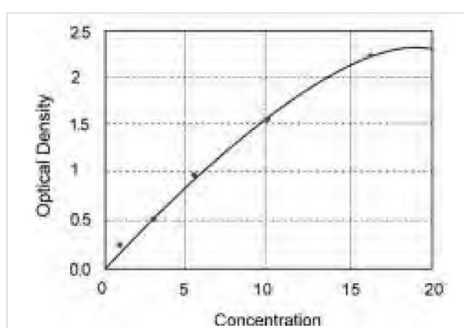
PRODUCT SYNONYMS

GTP cyclohydrolase 1; GCH1; Human GTP cyclohydrolase 1; GCH1 ELISA Kit; GCH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	241
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	15-3000ng/L
Sensitivity	7.47ng/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCH1 elisa kit

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human GCH1 antibody. GCH1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human GCH1 Antibody is added and binds to GCH1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated GCH1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human GCH1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

Intended Uses: This sandwich kit is for the accurate quantitative detection of Human GTP cyclohydrolase 1 (also known as GCH1) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13242245
NCBI GeneID	29244
NCBI GenBank Nucleotide #	NP_077332.1
UniProt Accession #	P22288
NCBI Official Full Name	GTP cyclohydrolase 1
NCBI Official Synonym Full Names	GTP cyclohydrolase 1
NCBI Official Symbol	Gch1
NCBI Official Synonym Symbols	Gch
NCBI Protein Information	GTP cyclohydrolase 1
UniProt Protein Name	GTP cyclohydrolase 1
UniProt Gene Name	Gch1
UniProt Synonym Gene Names	Gch; GTP-CH-I
UniProt Entry Name	GCH1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/gtp-cyclohydrolase-1-gch1/123543>