

Human Prolyl 4-hydroxylase subunit alpha-1 ELISA Kit | P4HA1 elisa kit

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CATALOG #
AAA100255

REACTIVITY
Human

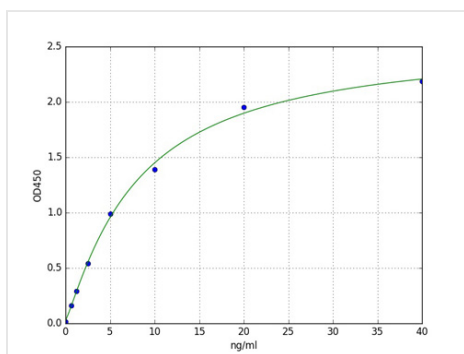
PRODUCT SYNONYMS

Prolyl 4-hydroxylase subunit alpha-1; Human Prolyl 4-hydroxylase subunit alpha-1 ELISA Kit; 4-PH alpha-1 (Prolyl 4-hydroxylase subunit alpha-1)/P4HA1/P4HA/Procollagen-proline; 2-oxoglutarate-4-dioxygenase subunit alpha-1; P4HA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	516
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
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

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a human P4HA1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.043	0.173	0.305	0.559	0.954	1.436	1.875	2.121

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P4HA1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human P4HA1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human P4HA1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 human P4HA1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human P4HA1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217272851
NCBI GeneID	5033
NCBI Accession #	NP_001136068.1
NCBI GenBank Nucleotide #	NM_001142596.1
Molecular Weight	58,958 Da
NCBI Official Full Name	prolyl 4-hydroxylase subunit alpha-1 isoform 3
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit alpha 1
NCBI Official Symbol	P4HA1
NCBI Official Synonym Symbols	P4HA
NCBI Protein Information	prolyl 4-hydroxylase subunit alpha-1
UniProt Protein Name	Prolyl 4-hydroxylase subunit alpha-1
UniProt Gene Name	P4HA1
UniProt Synonym Gene Names	P4HA; 4-PH alpha-1
UniProt Entry Name	P4HA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/p4ha1-human-elisa-kits/prolyl-4-hydroxylase-subunit-alpha-1/100255>