

Human Collagen Triple Helix Repeat-Containing Protein 1, CTHRC1 ELISA Kit | CTHRC1 elisa kit

Human Collagen Triple Helix Repeat-Containing Protein 1, CTHRC1 Primacu ELISA Kit

CATALOG #
AAA124213

REACTIVITY
Human

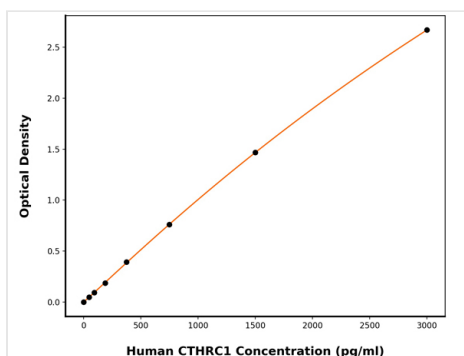
PRODUCT SYNONYMS

Collagen Triple Helix Repeat-Containing Protein 1; CTHRC1; Human Collagen Triple Helix Repeat-Containing Protein 1; CTHRC1 Primacu ELISA Kit; Collagen triple helix repeat-containing protein 1; CTHRC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	46.88-3000pg/mL
Sensitivity	14.84pg/mL
Standard Solution	30ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CTHRC1 elisa kit	Collagen triple helix repeat-containing protein 1, also known as Protein NMTC1, and CTHRC1, is a secreted protein that is glycosylated and highly conserved from lower chordates to mammals. CTHRC1 expression was not detectable in normal arteries. However, it is transiently expressed in the arterial wall in response to injury where it may contribute to vascular remodeling by limiting collagen matrix deposition and promoting cell migration. A short collagen motif with 12 Gly-X-Y repeats appears to be responsible for trimerization of the CTHRC1 protein and this renders the molecule susceptible to cleavage by collagenase. CTHRC1 overexpression caused a dramatic reduction in collagen type I mRNA and protein levels. Currently available data indicate that Cthrc1 expression in vascular cells regulates transforming growth factor beta responsiveness, thereby impacting transforming growth factor beta target genes, including collagens. Additionally, CTHRC1 increases bone mass as a positive regulator of osteoblastic bone formation and offers an anabolic approach for the treatment of osteoporosis.
Product Categories/Family for CTHRC1 elisa kit	Primacu ELISA Kit; Cancer; Cardiovascular; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	67462315
NCBI GeneID	115908
UniProt Accession #	Q96CG8; Q6UW91; Q8IX63; G3V141
Molecular Weight	243
NCBI Official Full Name	Collagen triple helix repeat-containing protein 1
NCBI Official Synonym Full Names	collagen triple helix repeat containing 1
NCBI Official Symbol	CTHRC1
NCBI Protein Information	collagen triple helix repeat-containing protein 1
UniProt Protein Name	Collagen triple helix repeat-containing protein 1
UniProt Gene Name	CTHRC1
UniProt Entry Name	CTHR1_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://stage.aaabiotech.com/human-elisa-kits/collagen-triple-helix-repeat-containing-protein-1-cthrc1/124213>