

Datasheet for ABIN7596351

## CTHRC1 Protein (AA 31-243) (His tag)



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### Overview

Quantity:	100 µg
Target:	CTHRC1
Protein Characteristics:	AA 31-243
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTHRC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	SEIPKGK QKAQLRQREV VDLYNGMCLQ GPAGVPGRDG SPGANGIPGT PGIPGRDGFK GEKGECLES FEESWTPNYK QCSWSSLNYG IDLGKIAECT FTKMRSNSAL RVLFSGSLRL KCRNACCQRW YFTFNGAECS GPLPIEAIY LDQGSPERMNS TINIHRSSV EGLCEGIGAG LVDVAIWVGT CSDYPKGDAS TGWNSVSRII IEELPK
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	CTHRC1
Alternative Name:	CTHRC1 ( <a href="#">CTHRC1 Products</a> )
Background:	CTHRC1, also known as collagen triple helix repeat-containing protein 1 isoform 1, is a secreted

## Target Details

glycoprotein that is expressed on renal epithelium, neurons, osteoblasts, and smooth muscle cells. This protein is overexpressed in different kinds of cancer tissues and promotes tumor formation. It acts as a negative regulator of collagen matrix deposition and is involved in cell migration, motility and invasion. The hormonal functions of CTHRC1 include regulation of lipid storage and cellular glycogen levels with potentially far-reaching implications for cell metabolism and physiology. Additionally, CTHRC1 increases bone mass as a positive regulator of osteoblastic bone formation and offers an anabolic approach for the treatment of osteoporosis. Recombinant human CTHRC1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 24.1 kDa (222aa)

NCBI Accession: [NP\\_612464](#)

Pathways: [Tube Formation](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.