

Datasheet for ABIN5564373

CTHRC1 Protein (AA 31-243) (DYKDDDDK Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	CTHRC1
Protein Characteristics:	AA 31-243
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTHRC1 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	CTHRC1 (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	Human CTHRC1 (aa 31-243) is fused at the N-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test).

Target Details

Target:	CTHRC1
Alternative Name:	CTHRC1 (CTHRC1 Products)
Background:	Collagen Triple Helix Repeat-containing Protein 1, NMTC1

Target Details

Collagen triple helix repeat containing-1 (CTHRC1) is a 30 kDa glycosylated secretory protein containing a short collagen-like motif contributing to vascular remodeling by limiting collagen matrix deposition and promoting cell migration. CTHRC1 is expressed in calcified atherosclerotic plaque and chondrocyte-like cells, in the hypothalamus, pituitary gland and remodeling tissues. Aberrant expression of CTHRC1 is present in human solid cancers and likely to be associated with cancer invasion and metastasis. With adiponectin and other members of the C1q/TNF-related protein (CTRP) family, CTHRC1 shares the presence of a short N-terminal collagen domain but it lacks the characteristic C1q domain that defines the CTRP family of proteins. A recent study identifies CTHRC1 as a novel circulating hormone with metabolic effects.

Molecular Weight: ~Two bands of 25-30 kDa (SDS-PAGE)

UniProt: [Q96CG8](#)

Pathways: [Tube Formation](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.1 mg/mL

Buffer: Contains PBS.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 6 months