

Recombinant Mouse Cthrc1 protein, FLAG®-tagged

Cat. No. Cthrc1-28M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Mouse Cthrc1(aa 33-245) fused with FLAG® tag at N-terminal was expressed in CHO.

Species Mouse

Source CHO

ProteinLength 33-245 a.a.

Description Collagen triple helix repeat containing-1 (CTHRC1) is a 30kDa 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.

Form Lyophilized. Contains PBS.

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

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Endotoxin	<0.01EU/μg purified protein (LAL test; Lonza).
Purity	≥90% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigrade; Long Term Storage: -20 centigrade; Handling Advice After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	0.1mg/ml after reconstitution.
Reconstitution	Reconstitute with 100μl sterile water.

GENE INFORMATION

Gene Name	Cthrc1 collagen triple helix repeat containing 1 [Mus musculus]
Official Symbol	Cthrc1
Synonyms	CTHRC1; collagen triple helix repeat containing 1; collagen triple helix repeat-containing protein 1; 1110014B07Rik;
Gene ID	68588
mRNA Refseq	NM_026778
Protein Refseq	NP_081054

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UniProt ID	Q9D1D6
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Chromosome Location	15; 15 B3.1
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