

CTHRC1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P76299
Synonyms:	Collagen triple helix repeat-containing protein 1; Protein NMTC1; CTHRC1
Species:	Rat
Source:	HEK293
Accession:	NP_001258229 (S33-K230)
Gene ID:	282836
Molecular Weight:	Approximately 27 kDa

PROPERTIES

AA Sequence	<p> S E N P K Y N G M C L Q G P A G V P G R D G S P G A N G I P G T P G I P G R D G F K G E K G E C L R E S F E E S W T P N Y K Q C S W S S L N Y G I D L G K I A E C T F T K M R S N S A L R V L F S G S L R L K C R N A C C Q R W Y F T F N G A E C S G P L P I E A I I Y L D Q G S P E L N S T I N I H R T S S V E G L C E G I G A G L V D V A I W V G T C S D Y P K G D A S T G W N S V S R I I I E E L P K </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CTHRC1, a protein predicted to possess Wnt-protein binding activity and frizzled binding activity, operates upstream of or within the process of cell migration. This protein is located in the extracellular matrix, and its human ortholog(s) have been implicated in Barrett's esophagus. With biased expression observed in tissues such as lung (RPKM 46.1) and muscle (RPKM 36.6), CTHRC1 may play a significant role in diverse physiological processes across different tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

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