CTHRC1/NMTC1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CTHRC1/NMTC1, Recombinant Protein
Full Product Name	Recombinant Human CTHRC1/NMTC1 Protein (C-6His)
Product Gene Name	CTHRC1/NMTC1 recombinant protein
Product Synonym Names	Collagen triple helix repeat-containing protein 1; Protein NMTC1; CTHRC1
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Lyophilized protein should be stored at < -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	Molecular Mass: 24.1 kDa Actual Protein Molecular Mass: 31 kDa
Sequence Positions	Ser31-Lys243
3D Structure	ModBase 3D Structure for Q96CG8
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL test.
Fusion Tag	C-6His
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CTHRC1/NMTC1 recombinant protein	Collagen triple helix repeat-containing protein 1 is a protein that in humans is encoded by the CTHRC1 gene. It acts as a negative regulator of collagen matrix deposition. It may cause the disease of Barrett esophagus. Patients with Barrett esophagus have an increased risk of esophageal adenocarcinoma. The main cause of Barrett esophagus is gastroesophageal reflux. The retrograde movement of acid and bile salts from the stomach into the esophagus causes prolonged injury to the esophageal epithelium and induces chronic esophagitis, which in turn is believed to trigger the pathologic changes.
Other Notes	Small volumes of CTHRC1/NMTC1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CTHRC1/NMTC1 purchase	MBS2552536 is a recombinant protein targeting CTHRC1/NMTC1. Also known as Recombinant Human CTHRC1/NMTC1 Protein (C-6His). Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTHRC1/NMTC1. It may not necessarily be applicable to this product.

NCBI GI #	368711292
NCBI GeneID	115908
NCBI Accession #	NP_001243028.1
UniProt Primary Accession #	Q96CG8

UniProt Secondary Accession #	Q6UW91; Q8IX63; G3V141
UniProt Related Accession #	Q96CG8
GenBank Nucleotide #	NM_001256099.1
NCBI Official Full Name	collagen triple helix repeat-containing protein 1 isoform 2
NCBI Official Synonym Full Names	collagen triple helix repeat containing 1
NCBI Official Symbol	CTHRC1
UniProt Protein Name	Collagen triple helix repeat-containing protein 1
UniProt Synonym Protein Names	Protein NMTC1
UniProt Gene Name	CTHRC1
NCBI Protein Information	collagen triple helix repeat-containing protein 1
NCBI Summary for CTHRC1/NMTC1	This locus encodes a protein that may play a role in the cellular response to arterial injury through involvement in vascular remodeling. Mutations at this locus have been associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]
UniProt Comments for CTHRC1/NMTC1	May act as a negative regulator of collagen matrix deposition.
Research Articles on CTHRC1/NMTC1	**1.** IL-1beta and CTHRC1 are upregulated in patients with Osteoarthritis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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