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Datasheet for ABIN1880698

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

Overview

Quantity:	50 µg
Target:	CTHRC1
Protein Characteristics:	AA 31-243
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTHRC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CTHRC1/NMTC1 (C-6His)
Sequence:	SEIPKGKQKA QLRQREVVDL YNGMCLQGPA GVPGRDGSPG ANGIPGTPGI PGRDGFKEK GECLRESFEE SWTPNYKQCS WSSLNYGIDL GKIAECTFTK MRSNSALRVL FGSRLRLKCR NACCQRWYFT FNGAECSGPL PIEAIIYLDQ GSPEMNSTIN IHRTSSVEGL CEGIGAGLVD VAIWVGTCSD YPKGDASTGW NSVSRIIEE LPKVDHHHHH H
Characteristics:	Recombinant Human Collagen triple helix repeat-containing protein 1/CTHRC1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser31-Lys243) of Human CTHRC1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CTHRC1
Alternative Name:	CTHRC1 (CTHRC1 Products)
Background:	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.
Molecular Weight:	24.1 kDa
UniProt:	Q96CG8
Pathways:	Tube Formation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.