

Datasheet for ABIN7596455

COMP Protein (AA 21-757) (His tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	COMP
Protein Characteristics:	AA 21-757
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COMP protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>QGSPL GSDLGPQMLR ELQETNAALQ DVRELLRQQV REITFLKNTV MECDACGMQQ</p> <p>SVRTGLPSVR PLLHCAPGFC FPGVACIQTE SGARCGPCPA GFTGNGSHCT DVNECNAHPC</p> <p>FPRVRCINTS PGFRCEACPP GYSGPTHQGV GLAFKANKQ VCTDINECET GQHNCVPNSV</p> <p>CINTRGSFQC GPCQPGFVGD QASGCQRAQ RCPDGPSPSE CHEHADCYLE RDGSRSCVCA</p> <p>VGWAGNGILC GRDTDLGFP DEKLRCPERQ CRKDNCTVTP NSGQEDVDRD GIGDACDPDA</p> <p>DGDGVPNEKD NCPLVRNPQD RNTDEDKWGD ACDNCRSQKN DDQKDTDQDG RGDACDDDDID</p> <p>GDRIRNQADN CPRVPNSDQK DSDGDGIGDA CDNCPQKSNP DQADVHDHFV GDACDSQDQD</p> <p>DGDGHQDSRD NCPTVPNSAQ ESDHDGQGD ACDDDDDDNDG VPDSRDNCRL VPNPGQEDAD</p> <p>RDGVGDVCQD DFDADKVVQD IDVCPENAEV TLTDFAFQT VVLDPEGDAQ IDPNWVVLNQ</p> <p>GREIVQTMNS DPGLAVGYTA FNGVDFEGTF HVNTVTDDDY AGFIFGYQDS SSFYVVMWKQ</p> <p>MEQTYWQANP FRAVAEPGIQ LKAVKSSTGP GEQLRNALWH TGDTSQVRL LWKDPNRVGV</p> <p>KDKKSYRWFL QHRPQVGYIR VRFYEGPELV ADSNVVLDTT MRGGRLGVFC FSQENIIWAN</p>
-----------	--

Product Details

LRYRCNDTIP EDYETHQLRQ A

Purity: > 85% by SDS - PAGE

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target: COMP

Alternative Name: Thrombospondin 5/COMP ([COMP Products](#))

Background: COMP, also known as Thrombospondin-5, is a member of the thrombospondin(TSP) family. It is an extracellular matrix(ECM) protein primarily present in cartilage and is a secreted glycoprotein that is important for growth plate organization and function. This protein is upregulated in rheumatoid osteoarthritis and arthritis, chronic pancreatitis, hepatocellular carcinomas and pancreatic carcinomas. It is a marker of cartilage turnover. It is present in high quantities in fibrotic scars and systemic sclerosis, and it appears to have a role in vascular wall remodeling. It also plays a role in cell growth and development. Mutations in COMP can cause the osteochondrodysplasias pseudoachondroplasia (PSACH) and multiple epiphyseal dysplasia (MED), and up-regulated expression of COMP are observed in rheumatoid arthritis and certain carcinomas. Recombinant human COMP, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Molecular Weight: 82.4kDa (749aa)

NCBI Accession: [NP_000086](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.