

Recombinant human CTGF/CCN2 protein

Catalog Number: ATGP2994

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-349aa

UniProt No.

P29279

NCBI Accession No.

NP_001892

Alternative Names

Connective tissue growth factor, CCN2, NOV2, HCS24, IGFBP8

PRODUCT SPECIFICATION

Molecular Weight

37.7 kDa (344aa)

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

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

BACKGROUND

Description

CTGF, also known as CCN2 or connective tissue growth factor, is a matricellular protein of the CCN family of extracellular matrix-associated heparin-binding proteins (see also CCN intercellular signaling protein). CTGF has important roles in many biological processes, including cell adhesion, migration, proliferation, angiogenesis, skeletal development, and tissue wound repair, and is critically involved in fibrotic disease and several forms of cancers. Recombinant human CTGF, fused to His-tag at N-terminus, was expressed in E. coli

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Amino acid Sequence

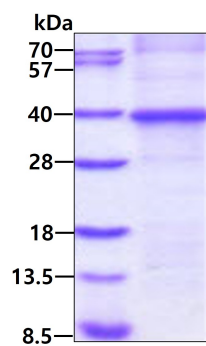
<MGSSHHHHHH SSGLVPRGSH> MQNCSGPCRC PDEPAPRCPA GVSLVLDGCG CCRVCAKQLG ELCTERDPCD
PHKGLFCDFG SPANRKIGVC TAKDGAPCIF GGTVYRSGES FQSSCKYQCT CLDGAVGCMP LCSMDVRLPS PDCPFRRVK
LPGKCCEEWV CDEPKDQTVV GPALAAAYRLE DTFGPDPTMI RANCLVQTTE WSACSKTCGM GISTRVTNDN ASCRLEKQSR
LCMVRPCEAD LEENIKKGKK CIRTPKISKP IKFELSGCTS MKTYRAKFCG VCTDGRCCTP HRTTTLPVEF KCPDGEVMKK
NMMFIKTCAC HYNCPGDNDI FESLYYRKMY GDMA

General References

Jun JI., et al. (2011) Nat Rev Drug Discov, 10 (12): 945-63

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.