

## PRODUCT DATA SHEET

### Connective Tissue Growth Factor Human, Sheep Polyclonal Antibody

**Cat. No.:** RD184035100

**Size:** 0.1 mg

**Source of Antigen:** HEK293

**Type:** Polyclonal Antibody

**Host:** Sheep

**Isotype:** IgG

**Other Names:**

Hypertrophic chondrocyte-specific protein 24, Insulin-like growth factor-binding protein 8, IGF-binding protein 8, IGFBP-8, IBP-8, CCN family member 2, CTGF, CCN2, HCS24

**Preparation:**

The antibody was raised in sheep by immunization with the recombinant Human CTGF.

**Amino Acid Sequence of Immunogen:**

Recombinant Human CTGF, total 329 AA, UniProt P29279 (Gln27-Ala349). MW: 36 kDa (calculated). C-Terminal His-tag, 6 extra AA (highlighted).

QNCSGPCRCP DEPAPRCPAG VSLVLDGCGC CRVCAKQLGE LCTERDPCDP  
HKGLFCHFSG PANRKIGVCT AKDGAPCIFG GTVYRSGESF QSSCKYQCTC  
LDGAVGCMPL CSMDVRLPSP DCPFPRRVKL PGKCCEEWVC DEPKDQTVVG  
PALAAYRLED TFGPDPTMIR ANCLVQTTEW SACSKTCGMG ISTRVTNDNA SCRLEKQSRL  
CMVRPCEADL EENIKKGKKC IRTPKISKPI KFELSGCTSM KTYRAKFCGV CTDGRCCPTH  
RTTTLPEVEFK CPDGEVMKKN MMFIKTCACH YNCPGDNDIF ESLYYRKMVG DMAHHHHHH

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human CTGF.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. **\*\*AZIDE FREE\*\***.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

ELISA

**Note:**

This product is for research use only.