

PRODUCT DATA SHEET

Connective Tissue Growth Factor Human E. coli

Cat. No.: RD172035100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

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

Description:

Total 346 AA. MW: 38.3 kDa (calculated). UniProtKB acc.no. P29279. N-Terminal His-tag and Xa – cleavage site, 23 extra AA.

Amino Acid Sequence:

MGHHHHHHHH HHSSGHIEGR HMRQNCSGPC RCPDEPAPRC PAGVSLVLDG CGCCRVCAKQ
LGELCTERDP CDPHKGLFCD FGSPANRKIG VCTAKDGAPC IFGGTVYRSG ESFQSSCKYQ
CTCLDGAVGC MPLCSMDVRL PSPDCPFPRR VKLPGKCCEE WVCDEPKDQT VVGPALAAYR
LEDTFGPDPT MIRANCLVQT TEWSACSKTC GMGISTRVTN DNASCRLKQ SRLCMVRPCE
ADLEENIKKG KKCIRTPKIS KPIKFELSGC TSMKTYRAKF CGVCTDGRCC TPHRTTLLPV
EFKCPDGEVM KKNMMFIKTC ACHYNCPGDN DIFESLYYRK MYGDMA

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.05 M Acetate buffer pH=4.0; 4% mannitol, 1% sucrose

Reconstitution:

Add 0.1M Acetate buffer pH=4.0 to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely at 37°C. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10μg/mL. In higher concentrations the solubility of this antigen is limited.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

Cell culture and/or animal studies, Western blotting

Note:

This product is intended for research use only.