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32-13184: CTHRC1 Human, Sf9

Alternative Name : Collagen triple helix repeat-containing protein 1 isoform 1, CTHRC1, Protein NMTC1.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Collagen triple helix repeat-containing protein 1 or CTHRC1 acts as a negative regulator of collagen matrix deposition. The protein is secreted from a 28kDa protein which is glycosylated and very conserved from lower chordates to mammals. CTHRC1 is found qualitatively in plasma of healthy human subjects. CTHRC1 plasma levels are also significantly elevated during pregnancy, in diabetes, in inflammatory and infectious conditions, in subjects with acute myeloid leukemia but not in subjects with solid cancers.CTHRC1 is highly connected with calcified tissues and cartilaginous matrix, but not with endothelial cells.
CTHRC1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 222 amino acids (31-243a.a.) and having a molecular mass of 24.1kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CTHRC1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CTHRC1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPSEIPKGK QKAQLRQREV VDLYNGMCLQ GPAGVPGRDG SPGANGIPGT PGIPGRDGFK GEKGECLRES FEESWTPNYK QCSWSSLNYG IDLGKIAECT FTKMRSNSAL RVLFSGSLRL KCRNACCQRW YFTFNGAECS GPLPIEAIIY LDQGSPEMNS TINIHRTSSV EGLCEGIGAG LVDVAIWVGT CSDYPKGDAS TGWNSVSRII IEELPKHHHH HH.

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