

## 32-3606: CRTAP Recombinant Protein

**Alternative Name :** CASP,LEPREL3,O17,Cartilage-associated protein,CRTAP.

### Description

Source : Escherichia Coli. CRTAP Human Recombinant produced in E. coli is. a single polypeptide chain containing 398 amino acids (27-401) and having a molecular mass of 46.4kDa. CRTAP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cartilage-associated protein (CRTAP) is a secreted protein localizing to the extracellular space which takes part in collagen post-translational modifications, extracellular fibril assembly and intracellular trafficking. CRTAP which is mainly expressed with predominant expression in articular chondrocytes is essential for efficient 3-hydroxylation of fibrillar collagen prolyl residues. Mutations in the gene encoding CRTAP might cause to autosomal recessive osteogenesis imperfecta (OI) type 7 and type 2B.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 85% as determined by SDS-PAGE.
<b>Content :</b>	The CRTAP solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGSQYERYSF RSFPRDELMP LESAYRHALD KYSGEHWAES VGYLEISLRL HRLLRDSEAF CHRNCSAAPQ PEPAAGLAS Y PELRLF GLL RRAHCLKRCK QGLPAFRQSQ PSREVLADFQ RREP YKFLQF AYFKANNLPK AIAAAHTFLL KHPDDEM MKR NMAYYKSLPG AEDIYKDLET KSYESLFIRA VRAYNGENWR TSITDMELAL PDFFKAFYEC LAACEGSREI KDFKDFYLSI ADHYVEVLEC KIQCEENLTP VIGGYPVEKF VATMYHYLQF AYYKLN DLKN AAPCAVSYLL FDQNDKVMQQ NLVYYQYHRD TWGLSDEHFQ PRPEAVQFFN VTTLQKELYD FAKENIMDDD EGEVVEYVDD LLELEETS.

