

## 32-3606: CRTAP Recombinant Protein

**Alternative Name :** CASP,LEPREL3,OI7,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 SGLVPRGSH MGSQYERYSF RSFPRDELMP LESAYRHALD KYSGEHWAES VGYLEISLRL HLLRDSEAF CHRNC SAAPQ PEPAAGLAS Y PELRLF GGLL RRAHCLKRCK QGLPAFRQS Q PSREVLADFQ RREP YKFLQF AYFKANNLPK AIAAAHTFLL KHPDDEMMKR NMAYYKSLPG AEDYIKDLET KSYESLFIRA VRAYNGENWR TSITDMELAL PDFFKAFYEC LAACEGSREI KDFKDFYLSI ADHYVEVLEC KIQCEENLTP VIGGYPVEKF VATMYHYLQF AYYKLN DLKN AAPCAVS YLL FDQNDKVMQQ NLVYYQYHRD TWGLSDEHFQ PRPEAVQFFN VTTLQKELYD FAKENIMDDD EGEVVEYVDD LLELEETS.

