

AR51368PU-N

Human CRTAP (His-tag) - Purified

Alternate names:	CASP, Cartilage-associated protein
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Cartilage-associated protein precursor, also known as CRTAP, is a secreted protein localizing to the extracellular space that plays a role in collagen post-translational modifications, extracellular fibril assembly and intracellular trafficking. CRTAP is widely expressed with predominant expression in articular chondrocytes. Mutations in the gene encoding CRTAP can lead to autosomal recessive osteogenesis imperfecta (OI) type 7 and type 2B. OI, also known as brittle bone disease, is characterized by bone fragility and susceptibility to fractures.
Uniprot ID:	O75718
NCBI:	NP_006362
GeneID:	10491
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Description:	Recombinant human CRTAP protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSQYERYSF RSFPRDELMP LESAYRHALD KYSGEHWAES VGYLEISLRL HRLLRDSEAF CHRNCSAAPQ PEPAAGLAS Y PELRLFGLL RRAHCLKRCK QGLPAFRQS Q PSREVLADFQ RREP YKFLQF AYFKANNLPK AIAAAHTFLL KHPDDEMMKR NMAYYKSLPG AEDYIKDLET KSYESLFIRA VRAYNGENWR TSITDMELAL PDFFKAFYEC LAACEGSREI KDFKDFYLSI ADHYVEVLEC KIQCEENLTP VIGGYPVEKF VATMYHYLQF AYYKLNDLKN AAPCAVS YLL FDQNDKVMQQ NLVYYQYHRD TWGLSDEHFQ PRPEAVQFFN VTTLQKELYD FAKENIMDDD EGEVVEYVDD LLELEETS Molecular weight: 46.4 kDa (398aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Tonachini L., et al. (1999) Cytogenet Cell Genet. 87: 191-194. Castagnola P., et al. (1997) J Cell Sci. 110: 1351-1359.

Pictures:

