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CRTAP, 27- 401aa, Human, His tag, E.coli

产品货号: TP01721

第三版

别名: Cartilage-associated protein precursor , CASP, LEPREL3, OI7

描述: 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. Recombinant human CRTAP protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量: 46.4 kDa (398aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSQYERYSFRRDELMPLESAYRHALDKYSGEHWAESVGYLEISLRLHRLLRDSEAFCHRNCSAAPQPEPAAGLASYPELRLFGGLLRRRAHCLKRCKQGLPAFRQSQPSREVLADFQRREPYPKFLQFAYFKANNLPKAI  
AAAHTFLLKHPDDEMKNRMAYYKSLPGAEDYIKDLETKSYESLFIKAVRAYNGENWRSTIDMELALPDDFKAFYECLA  
ACEGSREIKDFKDFYLSIADHYVEVLECKIQCEENLTPVIGGYPVKVFVATMYHYLQFAYYKLNLDLKNAAAPCAVSYLLFDQ  
NDKVMQQNLVYYQYHRDWTWGLSDEHFQPRPEAVQFFNVTTLQKELYDFAKENIMDDDEGEVVEYVDDLLELEETS

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.