

Recombinant Human COMP protein, His-tagged

Cat. No. COMP-3183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COMP protein(35-257 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	35-257 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LRELQETNAALQDVRELLRQQVREITFLKNTVMECDACGMQQSVRTGLPSVRPLLH CAPGFCFPGVACIQTESGARGPCPAGFTGNGSHCTDVNECNAHPCFPRVRCINT SPGFRCEACPPGYSGPTHQGVGLAFKANKQVCTDINECETGQHNCVPNSVCINTR GSFQCGPCQPGFVGDAQSGCQRRARFCPDGSPSECHADCVLERDGRSCV CAV
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name COMP cartilage oligomeric matrix protein [Homo sapiens]

Official Symbol COMP

Synonyms COMP; cartilage oligomeric matrix protein; cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple) , EDM1, EPD1, PSACH; MED; THBS5; thrombospondin 5; TSP5; thrombospondin-5; pseudoachondroplasia (epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein(pseudoachondroplasia, epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple); EDM1; EPD1; PSACH; MGC131819; MGC149768;

Gene ID 1311

mRNA Refseq NM_000095

Protein Refseq NP_000086

MIM 600310

UniProt ID P49747

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