

Active Recombinant Human COMP protein, His-tagged

Cat. No. COMP-674H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human COMP protein(NP_000086.2)(Met 1-Ala 757) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-757 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Human COMP / TSP5 Protein, His Tag induces the adhesion of ATDC5 cells. The EC50 value of this effect is 1.775 µg/mL.
Molecular Mass	The protein has a calculated MW of 81.9 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

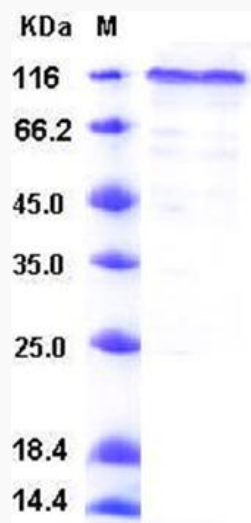
MIM 600310

UniProt ID P49747

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SDS-PAGE

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