PRODUCT INFORMATION

Target	COMP
Synonyms	MED; CTS2; EDM1; EPD1; TSP5; PSACH; THBS5; TSP-5
Description	Recombinant human COMP Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P49747
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	COMP(Gln21-Ala757) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 81.8 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Contraction or expansion of a 5 aa aspartate repeat and other mutations can cause pseudochondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq, Jul 2016]
Usage	Research use only
Conjugate	Unconjugated

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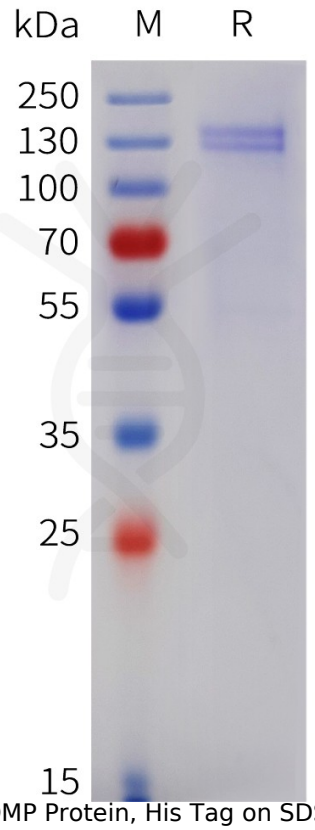


Figure 1. Human COMP Protein, His Tag on SDS-PAGE under reducing condition.

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