

## Recombinant Rat Comp Protein, His-tagged

**Cat. No.** Comp-825R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Comp Protein (Arg35-Phe423) with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg35-Phe423
<b>Description</b>	Enables fibronectin binding activity and vitamin D binding activity. An extracellular matrix structural constituent. Predicted to be involved in negative regulation of apoptotic process. Predicted to act upstream of or within several processes, including animal organ development; chondrocyte proliferation; and vasculature development. Located in collagen-containing extracellular matrix. Human ortholog(s) of this gene implicated in carpal tunnel syndrome; multiple epiphyseal dysplasia 1; osteochondrodysplasia; and pseudoachondroplasia. Orthologous to human COMP (cartilage oligomeric matrix protein).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 45.8 kDa; Accurate Molecular Mass: 46 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Comp cartilage oligomeric matrix protein [ <i>Rattus norvegicus</i> (Norway rat) ]
<b>Official Symbol</b>	Comp
<b>Synonyms</b>	COMP; cartilage oligomeric matrix protein;
<b>Gene ID</b>	25304
<b>mRNA Refseq</b>	NM_012834
<b>Protein Refseq</b>	NP_036966
<b>UniProt ID</b>	P35444

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA