Recombinant Rat Comp Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Comp Protein (Arg35-Phe423) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg35-Phe423
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.8 kDa; Accurate Molecular Mass: 46 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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