

Recombinant Rat Ucma Protein, His-tagged

Cat. No. Ucma-531R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ucma Protein (Ser28-Ile138) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser28-Ile138
Description	Predicted to enable BMP binding activity. Predicted to be involved in embryonic skeletal system development and negative regulation of SMAD protein signal transduction. Predicted to act upstream of or within negative regulation of osteoblast differentiation. Predicted to be located in aggresome and perinuclear region of cytoplasm. Predicted to be active in extracellular matrix and extracellular space. Orthologous to human UCMA (upper zone of growth plate and cartilage matrix associated).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.4 kDa Accurate Molecular Mass: 17/20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

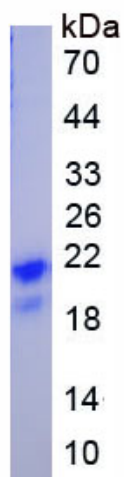
GENE INFORMATION

Gene Name	Ucma upper zone of growth plate and cartilage matrix associated [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Ucma
Synonyms	UCMA; upper zone of growth plate and cartilage matrix associated; unique cartilage matrix-associated protein; Gla-rich protein; GRP; RGD1308977
Gene ID	291312
mRNA Refseq	NM_001106121
Protein Refseq	NP_001099591
UniProt ID	B9TQX4

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