

Recombinant Rat Mgp protein, His & T7-tagged

Cat. No. Mgp-7014R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mgp aa. (Met1~Lys103 (Accession # P08494)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Lys103
Description	A vitamin K-dependent protein; part of the bone matrix.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP
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°C for 48h,

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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°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Mgp matrix Gla protein [*Rattus norvegicus* (Norway rat)]

Official Symbol

Mgp

Synonyms

Mgp; matrix Gla protein; Mglap

Gene ID

25333

mRNA Refseq

NM_012862.1

Protein Refseq

NP_036994.1

UniProt ID

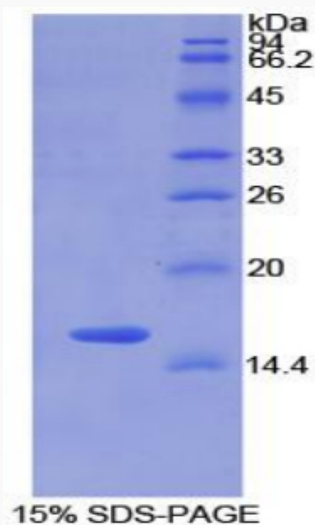
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SDS-PAGE



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