

Recombinant Rat Mgp protein, His-tagged

Cat. No. Mgp-7013R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mgp aa. (Tyr20~Lys103) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Tyr20~Lys103
Description	A vitamin K-dependent protein; part of the bone matrix.
Form	Freeze-dried powder
Molecular Mass	19kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling
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.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

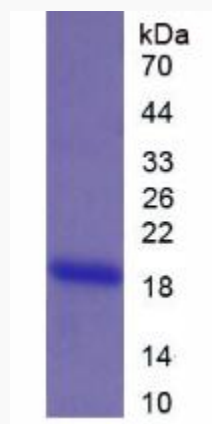
Gene Name	Mgp matrix Gla protein [Rattus norvegicus (Norway rat)]
Official Symbol	Mgp
Synonyms	Mgp; matrix Gla protein; Mglap
Gene ID	25333
mRNA Refseq	NM_012862.1
Protein Refseq	NP_036994.1
UniProt ID	P08494

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SDS-PAGE



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