

## Recombinant Human MGP protein, His-tagged

Cat. No. MGP-2596H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MGP protein(1-103 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-103 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AASequence</b>	MKSLILLAILAALAVVTLCYESHESMESYELNPFINRRNANTFISPQQRWRAKVQERIR ERSKPVHELNREACDDYRLCERYAMVYGYNAAYNRYFRKRRGAK
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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## GENE INFORMATION

<b>Gene Name</b>	MGP matrix Gla protein [ Homo sapiens ]
<b>Official Symbol</b>	MGP
<b>Synonyms</b>	MGP; matrix Gla protein; cell growth-inhibiting gene 36 protein; NTI; GIG36; MGLAP;
<b>Gene ID</b>	4256
<b>mRNA Refseq</b>	NM_000900
<b>Protein Refseq</b>	NP_000891
<b>MIM</b>	154870
<b>UniProt ID</b>	P08493

### SDS-PAGE



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