

MGP 抗原（重组蛋白）

中文名称：MGP 抗原（重组蛋白）

英文名称：MGP Antigen (Recombinant Protein)

别名：matrix Gla protein; NTI; GIG36; MGLAP

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 20-103 amino acids of human MGP

技术规格

Full name:	matrix Gla protein
Synonyms:	NTI; GIG36; MGLAP
Swissprot:	P08493
Gene Accession:	BC005272
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a member of the osteocalcin/matrix Gla family of proteins. The encoded vitamin K-dependent protein is secreted by chondrocytes and vascular smooth muscle cells, and functions as a physiological inhibitor of ectopic tissue calcification. Carboxylation status of the encoded protein is associated with calcification of the vasculature in human patients with cardiovascular disease and calcification of the synovial membranes in osteoarthritis patients. Mutations in this gene cause Keutel syndrome in human patients, which is characterized by abnormal cartilage calcification, peripheral pulmonary stenosis and facial hypoplasia.