

PRODUCT INFORMATION

Target	MGP
Synonyms	GIG36; MGLAP; NTI
Description	Purified recombinant protein of Human matrix Gla protein (MGP), transcript variant 2, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Delivery	2-3 weeks
Uniprot ID	P08493
Expression Host	E. coli
Tag	N-His
Molecular Characterization	N/A
Molecular Weight	12.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Storage & Shipping	Store at -80°C.
Background	<p>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. [provided by RefSeq, Sep 2016]</p>
Usage	Research use only
Conjugate	Unconjugated

