

Matrix Gla Protein Human Recombinant

Item Number	rAP-4499
Synonyms	Matrix Gla protein, Cell growth-inhibiting gene 36 protein, MGLAP, NTI.
Description	MGP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 98 amino acids (20-96) and having a molecular mass of 11.8 kDa. The MGP is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08493
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MYESHESMES YELNPFINRR NANTFISPQQ RWRAKVQERI RERSKPVHEL NREACDDYRL CERYAMVYGY NAAYNRYF
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MGP solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**