Matrix Gla Protein (MGP) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Matrix Gla protein (MGP), Recombinant Protein
Full Product Name	Recombinant Chicken Matrix Gla protein (MGP)
Product Gene Name	MGP recombinant protein
Sequence	YESHESMESH EYLNPFLNRQ RANGFIRDDT GLRAVLQERI RERNKAPQER QREICEDFHL CEQYALNHGY PAAYRHYFGR RRNK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	12,266 Da
Sequence Positions	20-103, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for O42413
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MGP recombinant protein	MBS1165698 is a recombinant protein targeting MGP. Also known as Recombinant Chicken Matrix Gla protein (MGP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MGP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MGP. It may not necessarily be applicable to this product.

NCBI GI #	45384268
NCBI GeneID	395912
NCBI Accession #	NP_990375.1
UniProt Primary Accession #	O42413
UniProt Related Accession #	O42413
GenBank Nucleotide #	NM_205044.2
NCBI Official Full Name	matrix Gla protein

NCBI Official Synonym Full Names	matrix Gla protein
NCBI Official Symbol	MGP
UniProt Protein Name	Matrix Gla protein
Protein Family	Matrix Gla protein
UniProt Gene Name	MGP
UniProt Synonym Gene Names	MGP
NCBI Protein Information	matrix Gla protein
UniProt Comments for MGP	Associates with the organic matrix of bone and cartilage. Thought to act as an inhibitor of bone formation.
Research Articles on MGP	**1.** Data indicate that matrix Gla protein (MGP) expression progresses centrifugally throughout the area vasculosa of the yolk sac.
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