

Product datasheet

Recombinant Human MGP protein (denatured) ab113156

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human MGP protein (denatured)
Purity	> 90 % SDS-PAGE. ab113156 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P08493</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMYESHESMESYELNPFIN RRNANTFISPQQ RWRRAKVQERIRERSKPVHELNREACDDYRLCERYAMVYG YNAAYNRYF
Predicted molecular weight	12 kDa including tags
Amino acids	20 to 96
Tags	His tag N-Terminus
Description	Recombinant Human MGP protein

Specifications

Our **Abpromise guarantee** covers the use of **ab113156** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

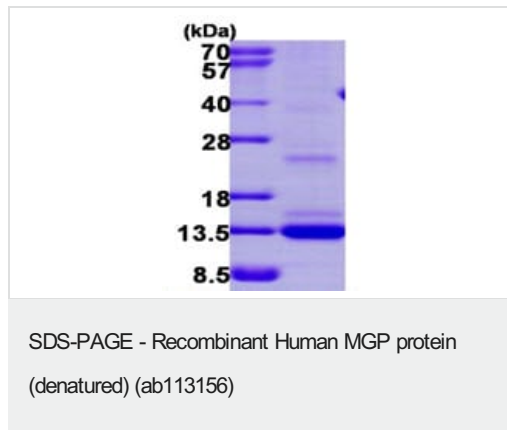
pH: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function	Associates with the organic matrix of bone and cartilage. Thought to act as an inhibitor of bone formation.
Involvement in disease	Defects in MGP are the cause of Keutel syndrome (KS) [MIM:245150]. KS is an autosomal recessive disorder characterized by abnormal cartilage calcification, peripheral pulmonary stenosis neural hearing loss and midfacial hypoplasia.
Sequence similarities	Belongs to the osteocalcin/matrix Gla protein family. Contains 1 Gla (gamma-carboxy-glutamate) domain.
Post-translational modifications	Requires vitamin K-dependent gamma-carboxylation for its function.
Cellular localization	Secreted.

Images



15% SDS-PAGE showing ab113156 (3 µg) at approximately 11.8 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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