

Product datasheet

Recombinant Human Osteocalcin protein ab152232

1 Image

Description

Product name	Recombinant Human Osteocalcin protein
Expression system	Wheat germ
Accession	<u>P02818</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	YLYQWLGA ^{VP} YPDPLEPRREVCELN ^{PD} CDELADHIGFQ EAYRRFYGPV
Predicted molecular weight	31 kDa including tags
Amino acids	52 to 100

Specifications

Our **Abpromise guarantee** covers the use of **ab152232** 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
	Western blot
	ELISA
Form	Liquid
Additional notes	

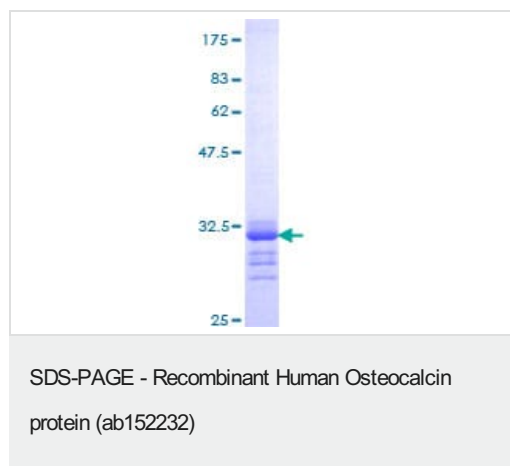
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.
Sequence similarities	Belongs to the osteocalcin/matrix Gla protein family. Contains 1 Gla (gamma-carboxy-glutamate) domain.
Post-translational modifications	Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.
Cellular localization	Secreted.

Images



12.5% SDS-PAGE analysis of ab152232 stained with Coomassie Blue.

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

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