

Product datasheet

Recombinant Rat Osteocalcin protein (Tagged) ab226311

[1 Image](#)

Description

Product name	Recombinant Rat Osteocalcin protein (Tagged)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P04640</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	YLNNGLGAPAPYPDPLEPHREVCELNPNCDELADHIGFQ DAYKRIYGTTV
Predicted molecular weight	33 kDa including tags
Amino acids	50 to 99
Tags	GST tag N-Terminus
Additional sequence information	This product is the mature full length protein from aa 50 to 99. The signal peptide and propeptide are not included.

Specifications

Our **Abpromise guarantee** covers the use of **ab226311** 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

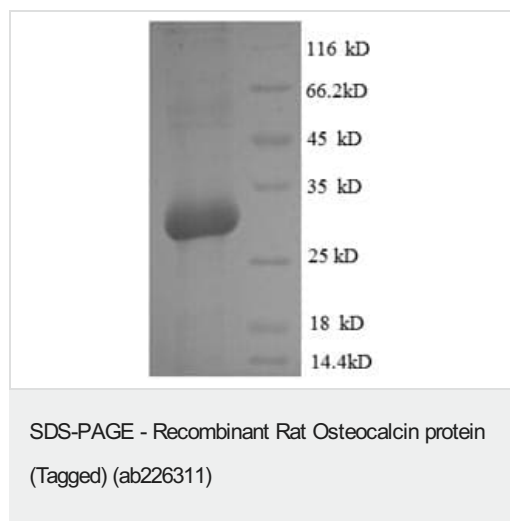
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer
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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



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab226311 with 5% enrichment gel and 15% separation gel.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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