

## Recombinant Mouse BGLAP Protein(Trx Tag)

**Catalog Number:** PDEM100207

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

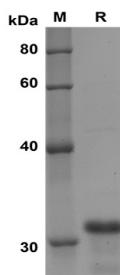
### Description

<b>Species</b>	Mouse
<b>Source</b>	E.coli-derived Mouse BGLAP protein Tyr50-Ile95, with an N-terminal Trx
<b>Calculated MW</b>	25.1 kDa
<b>Observed MW</b>	32 kDa
<b>Accession</b>	P86546
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Mouse BGLAP proteins, 2µg/lane of  
Recombinant Mouse BGLAP proteins was resolved with  
SDS-PAGE under reducing conditions, showing bands at 32  
KD

### Background

This locus represents naturally occurring read-through transcription between the neighboring PMF1 (polyamine-modulated factor 1) and BGLAP (bone gamma-carboxyglutamate Gla protein) genes on chromosome 1. Alternative splicing results in multiple transcript variants encoding isoforms that share sequence identity with the upstream gene product, but they contain distinct C-termini due to frameshifts versus the downstream gene coding sequence. Recombinant human PMF1-BGLAP protein, fused to His-tag at N-terminus, was expressed in E.coli.

### For Research Use Only

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