Recombinant Human Osteocalcin/BGP Protein (GST Tag)

Catalog Number: PDEH100785

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

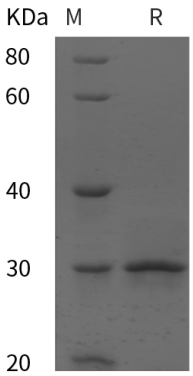
Description

Species	Human
Source	E.coli-derived Human Osteocalcin protein Tyr52-Val100, with an N-terminal GST
Calculated MW	30.3 kDa
Observed MW	30 kDa
Accession	P02818
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	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 Human Osteocalcin/BGP proteins, 2 μg/lane of Recombinant Human Osteocalcin/BGP proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 30 kDa.

Background

Osteocalcin, also known as Bone gamma-Carboxyglutamic Acid Protein, is a secreted protein whose expression is restricted to cells of the osteoblast lineage. It has been frequently used as a marker for osteoblast lineage cells.

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