

## Recombinant Green monkey Calcitonin/CT protein (His Tag)

**Catalog Number:** PDMC100004

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

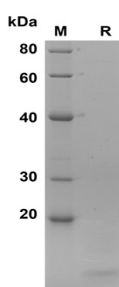
### Description

<b>Species</b>	Green monkey
<b>Source</b>	HEK293 Cells-derived Green monkey Calcitonin protein Ala26-Asn140, with an C-terminal His
<b>Calculated MW</b>	12.5 kDa
<b>Observed MW</b>	15 kDa
<b>Accession</b>	A0A0D9QXH0
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 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 Green monkey Calcitonin/CT proteins, 2µg/lane of Recombinant Green monkey Calcitonin/CT proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 15 KD.

### Background

Calcitonin(CT) is a protein hormones consist of 115aa with a disulfide bond. Calcitonin (CT) is most effectively produced by the parafollicular cells of the thyroid gland. It acts through the calcitonin receptor (CTR), a seven-transmembrane class II G-protein-coupled receptor linked to multiple signal transduction pathways with its main secretagogues being calcium and gastrin. Calcitonin regulates blood calcium levels and possesses certain clinically useful anti-fracture properties.

### For Research Use Only