

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



Catalog Number:PDMC100001

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

## Description

<b>Synonyms</b>	Calcitonin;CALCA;
<b>Species</b>	Green monkey
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ala26-Asn140
<b>Accession</b>	A0A0D9QXH0
<b>Calculated Molecular Weight</b>	12.5 kDa
<b>Observed molecular weight</b>	15 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<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 sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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

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