

Recombinant Green monkey Calcitonin/CT protein (His tag)



Catalog Number: PDMC100001

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

Description

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

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
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 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.
Reconstitution	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.

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