

Human Calcitonin Reference standard

Cat. No. CALCA-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Enzyme Unit Each ampoule of the reference standard contains 17.5 INTERNATIONAL UNITS.

Usage

For all practical purposes, each ampoule of the Reference Standard contains the same quantity of the substances listed above. Dissolve the total contents of the ampoule in a known volume of suitable solvent (buffer at pH 3.5) with carrier protein where extensive dilution is required. No attempt should be made to weigh out any portion of the freeze-dried material. For economy of use, it is recommended that the solution be sub-divided into several small containers, frozen rapidly eg. in dry ice and stored at -40°C or below. Careful evaluation will be needed to determine a feasible time of storage.

Notes

This preparation is not for administration to humans. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Storage

Unopened ampoules of the standard should be stored below -20°C in the dark. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CALCA calcitonin-related polypeptide alpha [Homo sapiens];
Official Symbol	CALCA
Synonyms	CALCA; calcitonin-related polypeptide alpha; CALC1, calcitonin 1; calcitonin; calcitonin gene-related peptide 1; calcitonin; katacalcin; calcitonin 1; alpha-type CGRP; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha; CT; KC; CGRP; CALC1; CGRP1; CGRP-I; MGC126648;
Gene ID	796
mRNA Refseq	NM_001033952
Protein Refseq	NP_001029124
MIM	114130
UniProt ID	P01258
Chromosome Location	11p15.2
Pathway	Amyloids, organism-specific biosystem; Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; Disease, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;
Function	calcitonin receptor binding; hormone activity; protein binding; protein complex binding;

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