

Eel Calcitonin Reference standard

Cat. No. CALCA-91E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Eel calcitonin has structural similarities with salmon calcitonin and, to date, research preparations have been evaluated with reference to the salmon calcitonin standard using the rat hypocalcaemia assay method. However, as salmon and eel calcitonins do have structural differences, which are likely to become evident if different in vivo or in vitro assay methods are used, a standard for eel calcitonin is required.
Species	Eel
Enzyme Unit	Each ampoule of the reference standard contains 88 International Units (by definition).
Usage	For all practical purposes, each ampoule of the IS contains the same quantity of the substances listed. Dissolve the total contents of the ampoule in a known volume of a 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 e.g. 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. The preparation contains material of human origin, which has been tested and found negative for HBsAg, HIV antibody and HCV RNA by PCR. 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

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procedures probably will 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 should be stored at –20 °C . Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	calca calcitonin/calcitonin-related polypeptide, alpha [<i>Danio rerio</i>];
Official Symbol	CALCA
Synonyms	calc; cgrp; zgc:92886; calcitonin/calcitonin-related polypeptide, alpha; calcitonin; calcitonin/calcitonin-related polypeptide alpha
Gene ID	436744
mRNA Refseq	NM_001002471
Protein Refseq	NP_001002471
Chromosome Location	chromosome: 7

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