

Recombinant Mouse Calca Protein, MYC/DDK-tagged

Cat. No. Calca-745M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse calcitonin/calcitonin-related polypeptide, alpha (Calca), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide (CGRP) and katecalcitonin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and katecalcitonin, or CGRP, respectively. Calcitonin and katecalcitonin modulate calcium levels in the blood stream. CGRP can function as a vasodilator and play a role in the transmission of pain. The human homolog of CGRP was found to have antimicrobial activity.
Molecular Mass	14.1 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Calca calcitonin/calcitonin-related polypeptide, alpha \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Calca](#)

Synonyms Calca; calcitonin/calcitonin-related polypeptide, alpha; CA; Ct; Ctn; Calc; Cgrp; CGRP1; Calc1; CGRP-1; calcitonin gene-related peptide 1; alpha-type CGRP; calcitonin gene-related peptide I

Gene ID [12310](#)

mRNA Refseq [NM_001033954](#)

Protein Refseq [NP_001029126](#)

UniProt ID [Q99JA0](#)

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