

Calcitonin/CALCA Protein, Human (GST)

Cat. No.:	HY-P71702
Synonyms:	CALCA; CALC1Calcitonin gene-related peptide 1; Alpha-type CGRP; Calcitonin gene-related peptide I; CGRP-I
Species:	Human
Source:	E. coli
Accession:	P06881 (A83-A118)
Gene ID:	796
Molecular Weight:	Approximately 30.6 kDa

PROPERTIES

AA Sequence	A C D T A T C V T H R L A G L L S R S G G V V K N N F V P T N V G S K A
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Calcitonin/CALCA protein, known for its role as a vasodilator, induces dilation in various vessels, including those in the coronary, cerebral, and systemic vasculature. Its presence in the central nervous system suggests potential functions as a neurotransmitter or neuromodulator. Additionally, Calcitonin/CALCA contributes to the elevation of platelet cAMP, indicating its involvement in regulating intracellular signaling pathways. The multifaceted actions of Calcitonin/CALCA underscore its significance in vascular regulation and neurotransmission within the central nervous system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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