

CALCB Protein, Human (118a.a, HEK293, Fc)

Cat. No.:	HY-P75600
Synonyms:	Calcitonin gene-related peptide 2; CALC2; Beta-CGRP; CGRP-II
Species:	Human
Source:	HEK293
Accession:	P10092 (M1-F118)
Gene ID:	797
Molecular Weight:	Approximately 37 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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	CALCB (Calcitonin gene-related peptide beta) protein, also known as CGRP (Calcitonin Gene-Related Peptide), is a neuropeptide that plays a crucial role in inducing vasodilation. CGRP exerts its vasodilatory effects on various vessels, including those in the coronary, cerebral, and systemic vasculature. This ability to promote dilation suggests its involvement in regulating blood flow and vascular tone. Additionally, the abundance of CGRP in the central nervous system (CNS) hints at its potential roles as a neurotransmitter or neuromodulator, emphasizing its significance in neural signaling and modulation within the CNS.
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Caution: Product has not been fully validated for medical applications. For research use only.

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