

Procalcitonin/CALCA Protein, Human, Recombinant (His)

General Information

Synonyms:	KC;CGRP;CALC1;Procalcitonin;CT;calcitonin-related polypeptide alpha;CGRP-I;CGRP1;PCT; calcitonin-related polypeptide α
Protein Construction:	A DNA sequence encoding the human CALCA (NP_001732.1) (Met1-Asn141) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ala 26
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P01258-1
Molecular Weight:	14.2 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	$\geq 85\%$ as determined by SDS-PAGE. $\geq 95\%$ as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a $0.22\ \mu\text{m}$ filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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