

Recombinant Mouse Calcb Protein, His&GST-tagged

Cat. No. Calcb-614M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Calcb Protein (Met1-Ala130) with His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ala130
Description	Predicted to enable calcitonin receptor binding activity. Predicted to be involved in adenylate cyclase-activating G protein-coupled receptor signaling pathway and regulation of cytosolic calcium ion concentration. Predicted to be active in extracellular space. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; genitourinary system; and sensory organ. Orthologous to human CALCB (calcitonin related polypeptide beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.6 kDa; Accurate Molecular Mass: 45 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[Calcb calcitonin-related polypeptide, beta \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Calcb](#)

Synonyms

CALCB; calcitonin-related polypeptide, beta; calcitonin gene-related peptide 2; CGRP-II; beta-type CGRP; calcitonin gene-related peptide II; CGRP2; Calc2; MGC130530;

Gene ID

[116903](#)

mRNA Refseq

[NM_054084](#)

Protein Refseq

[NP_473425](#)

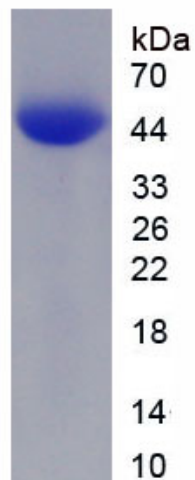
UniProt ID

[Q99MP3](#)

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