Recombinant Mouse Calca Protein, His-tagged

Cat. No. Calca-709M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Calca(Val26~Asn136) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val26~Asn136
Description	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide (CGRP) and katacalcin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and katacalcin, or CGRP, respectively. Calcitonin and katacalcin 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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	14.7kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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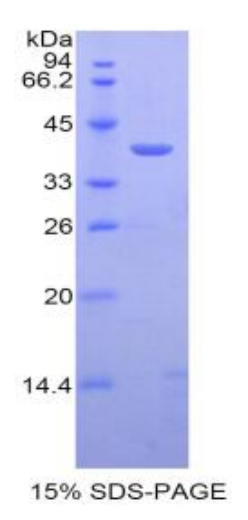
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein 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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Calca calcitonin/calcitonin-related polypeptide, alpha [Mus musculus]
Official Symbol	Calca
Synonyms	CALCA; calcitonin/calcitonin-related polypeptide, alpha; calcitonin gene-related peptide 1; CGRP-I; alpha CGRP; alpha-type CGRP; calcitonin/alpha CGRP; calcitonin gene-related peptide I; CA; Ct; Ctn; Calc; Cgrp; CGRP1; Calc1; CGRP-1; calcitonin;
Gene ID	12310
mRNA Refseq	NM_001033954
Protein Refseq	NP_001029126

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UniProt ID	Q99JA0



15% SDS-PAGE

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