

Product datasheet for **RC214594**

Calcitonin (CALCA) (NM_001741) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calcitonin (CALCA) (NM_001741) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Calcitonin
Synonyms: CALC1; CGRP; CGRP-alpha; CGRP-I; CGRP1; CT; KC; PCT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC214594 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTTCCAAAAGTTCTCCCCTTCTGGCTCTCAGCATCTTGGTCTGTTGCAGGCAGGCAGCCTCC
ATGCAGCACCATTCAAGTCTGCCCTGGAGAGCAGCCAGCAGACCCGCCACGCTCAGTGAGGACGAAGC
GCGCTCTGCTGGCTGCACTGGTGCAGGACTATGTGCAGATGAAGGCCAGTGAGCTGGAGCAGGAGCAA
GAGAGAGAGGGCTCCAGCCTGGACAGCCAGATCTAAGCGGTGCGGTAATCTGAGTACTGCATGCTGG
GCACATACACGCAGGACTTCAACAAGTTTACACGTTCCCCAACTGCAATTGGGGTTGGAGCACCTGG
AAAGAAAAGGATATGTCCAGCGACTTGGAGAGAGACCATCGCCCTCATGTTAGCATGCCCCAGAATGCC
AAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214594 protein sequence
Red=Cloning site Green=Tags(s)
MGFQKFSPLALSLVLLQAGSLHAAPFRSALESSPADPATLSEDEARLLLAALVQDYVQMKASELEQEQ
EREGSSLDSPRSKRGNLSTCMLGTYTQDFNKFHFPQTAIQVGVGAPGKKRDMSSDLERDHRPHVSMQPNA
N

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6376_h10.zip

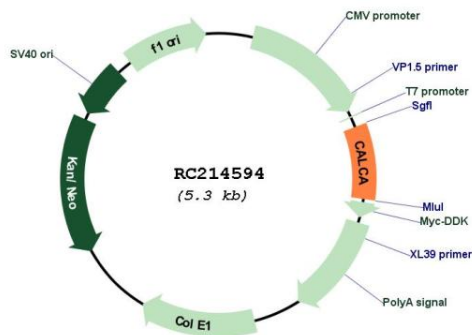


[View online >](#)

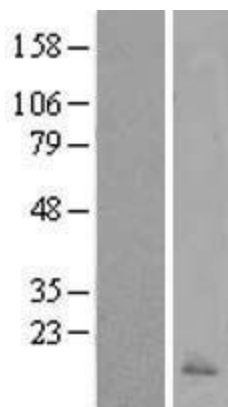
UniProt ID: [P01258](#)
Cytogenetics: 11p15.2
Protein Families: Druggable Genome, Secreted Protein
MW: 15.5 kDa
Gene Summary:

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katalcalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2014]

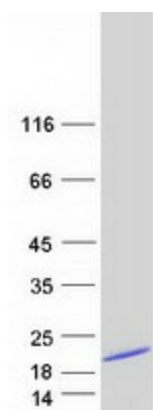
Product images:



Circular map for RC214594



Western blot validation of overexpression lysate (Cat# [LY419771]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214594 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CALCA protein (Cat# [TP314594]). The protein was produced from HEK293T cells transfected with CALCA cDNA clone (Cat# RC214594) using MegaTran 2.0 (Cat# [TT210002]).