

# Recombinant Full Length Human CALCA Protein, GST-tagged

Cat. No. CALCA-3047HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CALCA full-length ORF (NP_001732.1, 1 a.a. - 141 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	141 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	41.9 kDa
<b>AA Sequence</b>	MGFQKFSPFLALSILVLLQAGSLHAAPFRSALESSPADPATLSEDEARLLLLAALVQDY VQMKASELEQEQEREGSSLDSPRSKRCGNLSTCMLGTYTQDFNKFHTFPQTAIGV GAPGKKRDMSSDLERDHRPHVSMQPQAN
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">CALCA</a> calcitonin-related polypeptide alpha [ Homo sapiens ]
<b>Official Symbol</b>	<a href="#">CALCA</a>
<b>Synonyms</b>	CALCA; calcitonin-related polypeptide alpha; CALC1, calcitonin 1; calcitonin; calcitonin gene-related peptide 1; calcitonin; katalcalcin; calcitonin 1; alpha-type CGRP; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha; CT; KC; CGRP; CALC1; CGRP1; CGRP-I; MGC126648;
<b>Gene ID</b>	<a href="#">796</a>
<b>mRNA Refseq</b>	<a href="#">NM_001033952</a>
<b>Protein Refseq</b>	<a href="#">NP_001029124</a>
<b>MIM</b>	<a href="#">114130</a>
<b>UniProt ID</b>	<a href="#">P01258</a>

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