

Recombinant Full Length Human CALCR Protein, GST-tagged

Cat. No. CALCR-3051HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CALCR full-length ORF (NP_001733.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	474 amino acids
Description	This gene encodes a high affinity receptor for the peptide hormone calcitonin and belongs to a subfamily of seven transmembrane-spanning G protein-coupled receptors. The encoded protein is involved in maintaining calcium homeostasis and in regulating osteoclast-mediated bone resorption. Polymorphisms in this gene have been associated with variations in bone mineral density and onset of osteoporosis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]
Molecular Mass	81.7 kDa
AA Sequence	MRFTFTSRCLALFLLLNHPTPILPAFSNQTYPTIEPKPFLYVVGRKKMMDAQYKCYDR MQQLPAYQGEGPYCNRTWDGWLCWDDTPAGVLSYQFCPDYFPDFDPSEKVTKYC DEKGVWFKHPENNRTWSNYTMCNAFTPEKLNAYVLYYLAIVGHLSIFTLVISLGIF VFFRSLGCRVTLHKNMFLTYILNSMIIIIHLVEVVPNGELVRRDPVSCKILHFFHQYM MACNYFWMLCEGIYHLTLIVVAVFTEKQRLRWYLLGWGFPLVPTTIHAITRAVYFND NCWLSVETHLLYIIHGPVMAALVVNFFLLNIVRVLVTKMRETHEAESHMYLKAVKAT

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MILVPLLGIQFVVFPWRPSNKMLGKIYDYVMHSLIHFQGGFFVATIYCFCNNEVQTTVK
 RQWAQFKIQWNQRWGRRPSNRSARAAAAAAEAGDIPIYICHQELRNEPANNQGEE
 SAEIIPLNIIQESEA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CALCR calcitonin receptor [Homo sapiens]
Official Symbol	CALCR
Synonyms	CALCR; calcitonin receptor; CTR; CRT; CT-R; CTR1;
Gene ID	799
mRNA Refseq	NM_001164737
Protein Refseq	NP_001158209
MIM	114131

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UniProt ID

P30988

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