

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 DEKGVWFKHPENNRTWSNYTMCNAFTPEKLKNAYVLYYLAIVGHSLSIFTLVISLGIF VFFRSLGQCQRVTLHKNMFLTYILNSMIIIIHLVEVVPNGELVRRDPVSCKILHFFHQYM MACNYFWMLCEGIYLTIVVAVFTEKQRLRWYYLLGWGFPLVPTTIHAITRAVYFND NCWLSVETHLLYIIHGPVMAALVVNFFFLNIVRVLVTKMRETHEAESHMYLKAVKAT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MILVPLLGIQFVFPWRPSNKMLGKIYDYVMHSLIHFQGGFFVATYCFNNEVQTTVK
RQWAQFKIQWNQRWGRRPSNRSARAAAAAAEAGDIPYICHQELRNEPANNQGEE
SAEIPLNIIQESEA

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

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