

Recombinant Human CALCR Protein, GST-Tagged

Cat. No. CALCR-0296H **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	Wheat Germ
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	MRFTFTSRCLALFLLLNHPTLPILPAFSNQTYPTIEPKPFLYVVGRRKKMMDAQYKCYDR MQQLPAYQGEGPYCNRTWDGWLCWDDTPAGVLSYQFCPDYFPDFDPSEKVTKYC DEKGVWFKHPENNRTWSNYTMCNAFTPEKLKNAYVLYLAIVGHSLSIFTLVISLGIF VFFRSLGCRVTLHKNMFLTYILNSMIIHLEVVVPNGELVRRDPVSCKILHFFHQYM MACNYFWMLCEGIYLTIVVAVFTEKQRLRWYYLLGWGFPLVPTTIHAITRAVYFND NCWLSVETHLLYIIHGPVMAALVNVFFLLNIVRVLVTMRETHEAESHMYLKAVKAT MILVPLLGIQFVFPWRPSNKMGLGIYDYVMHSLIHFQGFVATIYCFCNNEVQTTVK

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	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

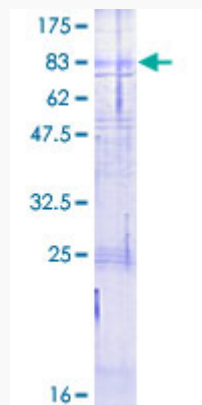
Gene Name	CALCR calcitonin receptor [Homo sapiens]
Official Symbol	CALCR
Synonyms	CALCR; calcitonin receptor; CTR; CRT; CT-R; CTR1;
Gene ID	799
mRNA Refseq	NM_001164737
Protein Refseq	NP_001158209
MIM	114131
UniProt ID	P30988

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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