

Recombinant Human CALCR

Cat. No. CALCR-27793TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: CNNEVQTTVK RQWAQFKIQW NQRWGRRPSN RSARAAAAAA EAGDIPIYIC HQELRNEPAN NQGEESAEII PLNIIEQESS A corresponding to amino acids 394-474 of Human Calcitonin receptor with an N terminal proprietary tag; Predicted MWt 34.54 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	81 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.
Molecular Weight	34.540kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	CNNEVQTTVKRQWAQFKIQWNQRWGRRPSNRSARAAAAAAEAGDIPIYICHQELR NEPANNQGEESAEIIPLNIIQESEA
Sequence Similarities	Belongs to the G-protein coupled receptor 2 family.

GENE INFORMATION

Gene Name	CALCR calcitonin receptor [Homo sapiens]
Official Symbol	CALCR
Synonyms	CALCR; calcitonin receptor; CTR;
Gene ID	799
mRNA Refseq	NM_001164737
Protein Refseq	NP_001158209
MIM	114131
Uniprot ID	P30988
Chromosome Location	7q21.3
Pathway	Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events,

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organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

Function

calcitonin binding; NOT calcitonin binding; calcitonin binding; calcitonin receptor activity; calcitonin receptor activity;

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