

# Recombinant Human CASR

Catalog No: #GP12699



Package Size: #GP12699-1 100ug

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## Description

Product Name	Recombinant Human CASR
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 908-1078 amino acids of human CASR
Target Name	calcium sensing receptor
Other Names	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
Accession No.	Swissprot:P41180Gene Accession:BC112236
Uniprot	P41180
GeneID	846;
Storage	-20~-80°C, pH 7.6 PBS

## Background

The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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